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OM nucleic - nucleic search, using sw model

Run on: February 27, 2006, 07:55:36 ; Search time 77.8947 Seconds  
(without alignments)  
456.401 Million cell updates/sec

Title: US-08-887-505B-28

Perfect score: 20

Sequence: 1 TTGCGGACCACTACTC 20

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :

- 1: /cgn2\_6/ptodata/1/ina/1 COMB.seq.\*
- 2: /cgn2\_6/ptodata/1/ina/5 COMB.seq.\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq.\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq.\*
- 5: /cgn2\_6/ptodata/1/ina/H COMB.seq.\*
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- 7: /cgn2\_6/ptodata/1/ina/pp COMB.seq.\*
- 8: /cgn2\_6/ptodata/1/ina/RE COMB.seq.\*
- 9: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	ID	Description
1	20	100.0	25	US-09-493-353-13
2	20	100.0	27	US-08-648-272-21
3	20	100.0	27	US-09-494-332A-12
4	20	100.0	27	US-09-493-353-12
5	20	100.0	33	US-08-438-639-50
6	20	100.0	33	US-07-813-338A-50
7	20	100.0	33	US-08-470-124-60
8	20	100.0	33	US-08-441-971-126
9	20	100.0	33	US-08-221-653-126
10	20	100.0	33	US-08-442-144A-126
11	20	100.0	33	US-08-441-970-126
12	20	100.0	40	US-09-358-972-181
13	20	100.0	40	US-09-406-147-43
14	20	100.0	40	US-09-790-417-181
15	20	100.0	46	US-08-429-181-10
16	20	100.0	46	US-08-164-388-10
17	20	100.0	108	US-08-690-495-31
18	20	100.0	108	US-08-690-494-31
19	20	100.0	108	US-09-293-217-31
20	20	100.0	108	US-09-728-265-31
21	20	100.0	108	US-10-309-438-31
22	20	100.0	108	PCT-US95-07671-31
23	20	100.0	108	US-09-798-641-31
24	20	100.0	190	US-09-899-082B-102
Sequence 13, Appl				Sequence 21, Appl
Sequence 12, Appl				Sequence 12, Appl
Sequence 50, Appl				Sequence 50, Appl
Sequence 60, Appl				Sequence 60, Appl
Sequence 126, App				Sequence 126, App
Sequence 126, App				Sequence 126, App
Sequence 181, App				Sequence 181, App
Sequence 43, Appl				Sequence 43, Appl
Sequence 18, App				Sequence 10, Appl
Sequence 10, Appl				Sequence 31, Appl
Sequence 31, Appl				Sequence 31, Appl
Sequence 31, Appl				Sequence 31, Appl
Sequence 31, Appl				Sequence 31, Appl
Sequence 31, Appl				Sequence 31, Appl
Sequence 102, App				

Sequence 12, Appl	US-08-244-116B-12	194	20	100.0	C 25
Sequence 103, App	US-09-899-082B-103	227	20	100.0	C 26
Sequence 37, Appl	US-09-034-205-37	232	20	100.0	C 27
Sequence 37, Appl	US-08-934-097A-37	232	20	100.0	C 28
Sequence 37, Appl	US-08-851-588-37	232	20	100.0	C 29
Sequence 37, Appl	US-09-677-218B-37	232	20	100.0	C 30
Sequence 37, Appl	US-09-677-192-37	232	20	100.0	C 31
Sequence 37, Appl	US-09-402-618B-37	232	20	100.0	C 32
Sequence 37, Appl	US-09-825-574-37	232	20	100.0	C 33
Sequence 37, Appl	US-09-676-768-37	232	20	100.0	C 34
Sequence 32, Appl	US-09-034-205-32	239	20	100.0	C 35
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Sequence 36, Appl	US-08-934-097A-32	239	20	100.0	C 37
Sequence 36, Appl	US-08-934-097A-36	239	20	100.0	C 38
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Sequence 38, Appl	US-09-034-205-38	240	20	100.0	C 53
Sequence 33, Appl	US-08-934-097A-33	240	20	100.0	C 54
Sequence 35, Appl	US-08-934-097A-35	240	20	100.0	C 55
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Sequence 33, Appl	US-08-851-588-33	240	20	100.0	C 57
Sequence 35, Appl	US-08-851-588-35	240	20	100.0	C 58
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Sequence 26, Appl	US-08-851-588-26	244	20	100.0	C 83
Sequence 27, Appl	US-08-851-588-27	244	20	100.0	C 84
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Sequence 27, Appl	US-09-677-218B-27	244	20	100.0	C 88
Sequence 29, Appl	US-09-677-218B-29	244	20	100.0	C 89
Sequence 31, Appl	US-09-677-218B-31	244	20	100.0	C 90
Sequence 26, Appl	US-09-677-192-26	244	20	100.0	C 91
Sequence 27, Appl	US-09-677-192-27	244	20	100.0	C 92
Sequence 29, Appl	US-09-677-192-29	244	20	100.0	C 93
Sequence 31, Appl	US-09-677-192-31	244	20	100.0	C 94
Sequence 26, Appl	US-09-402-618B-26	244	20	100.0	C 95
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99	20	100.0	244	3	US-09-402-618B-124	Sequence 124, App	c 172	20	100.0	256	2	US-08-483-695-24	Sequence 24, Appl
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101	20	100.0	244	3	US-09-402-618B-127	Sequence 127, App	c 174	20	100.0	256	2	US-08-483-695-26	Sequence 26, Appl
102	20	100.0	244	3	US-09-402-618B-128	Sequence 128, App	c 175	20	100.0	256	2	US-07-965-285-1	Sequence 1, Appl
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c 105	20	100.0	244	3	US-09-825-574-29	Sequence 29, Appl	c 178	20	100.0	256	2	US-07-965-285-26	Sequence 26, Appl
c 106	20	100.0	244	3	US-09-825-574-31	Sequence 31, Appl	c 179	20	100.0	256	2	US-08-487-231-1	Sequence 1, Appl
c 107	20	100.0	244	3	US-09-676-768-26	Sequence 26, Appl	c 179	20	100.0	256	2	US-08-487-231-1	Sequence 1, Appl
c 108	20	100.0	244	3	US-09-676-768-27	Sequence 27, Appl	c 180	20	100.0	256	2	US-08-487-231-24	Sequence 24, Appl
c 109	20	100.0	244	3	US-09-676-768-29	Sequence 29, Appl	c 181	20	100.0	256	2	US-08-487-231-25	Sequence 25, Appl
c 110	20	100.0	244	3	US-09-676-768-31	Sequence 31, Appl	c 182	20	100.0	256	2	US-08-487-231-26	Sequence 26, Appl
c 111	20	100.0	252	3	US-08-441-971-33	Sequence 33, Appl	c 183	20	100.0	256	3	US-09-201-912-1	Sequence 1, Appl
c 112	20	100.0	252	3	US-08-441-971-34	Sequence 34, Appl	c 184	20	100.0	256	3	US-09-201-912-24	Sequence 24, Appl
c 113	20	100.0	252	3	US-08-441-971-35	Sequence 35, Appl	c 185	20	100.0	256	3	US-09-201-912-25	Sequence 25, Appl
c 114	20	100.0	252	3	US-08-441-971-36	Sequence 36, Appl	c 186	20	100.0	256	3	US-09-201-912-26	Sequence 26, Appl
c 115	20	100.0	252	3	US-08-441-971-37	Sequence 37, Appl	c 187	20	100.0	260	3	US-09-899-082B-98	Sequence 98, Appl
c 116	20	100.0	252	3	US-08-441-971-38	Sequence 38, Appl	c 188	20	100.0	260	3	US-09-899-082B-99	Sequence 99, Appl
c 117	20	100.0	252	3	US-08-441-971-39	Sequence 39, Appl	c 189	20	100.0	281	2	US-08-757-653-121	Sequence 121, App
c 118	20	100.0	252	3	US-08-441-971-40	Sequence 40, Appl	c 190	20	100.0	281	2	US-08-757-653-123	Sequence 123, App
c 119	20	100.0	252	3	US-08-441-971-41	Sequence 41, Appl	c 191	20	100.0	281	2	US-08-757-653-126	Sequence 126, App
c 120	20	100.0	252	3	US-08-441-971-42	Sequence 42, Appl	c 192	20	100.0	281	2	US-08-757-653-127	Sequence 127, App
c 121	20	100.0	252	3	US-08-441-971-43	Sequence 43, Appl	c 193	20	100.0	281	2	US-08-757-653-128	Sequence 128, App
c 122	20	100.0	252	3	US-08-441-971-44	Sequence 44, Appl	c 194	20	100.0	281	2	US-08-757-653-129	Sequence 129, App
c 123	20	100.0	252	3	US-08-441-971-45	Sequence 45, Appl	c 195	20	100.0	281	2	US-08-757-653-132	Sequence 132, App
c 124	20	100.0	252	3	US-08-441-971-48	Sequence 48, Appl	c 196	20	100.0	281	3	US-08-520-946-121	Sequence 121, App
c 125	20	100.0	252	3	US-08-441-971-49	Sequence 49, Appl	c 197	20	100.0	281	3	US-08-520-946-123	Sequence 123, App
c 126	20	100.0	252	3	US-08-221-653-33	Sequence 33, Appl	c 198	20	100.0	281	3	US-08-520-946-126	Sequence 126, App
c 127	20	100.0	252	3	US-08-221-653-34	Sequence 34, Appl	c 199	20	100.0	281	3	US-08-520-946-127	Sequence 127, App
c 128	20	100.0	252	3	US-08-221-653-35	Sequence 35, Appl	c 200	20	100.0	281	3	US-08-520-946-128	Sequence 128, App
c 129	20	100.0	252	3	US-08-221-653-36	Sequence 36, Appl	c 201	20	100.0	281	3	US-08-520-946-129	Sequence 129, App
c 130	20	100.0	252	3	US-08-221-653-37	Sequence 37, Appl	c 202	20	100.0	281	3	US-08-520-946-132	Sequence 132, App
c 131	20	100.0	252	3	US-08-221-653-38	Sequence 38, Appl	c 203	20	100.0	281	3	US-09-655-378A-121	Sequence 121, App
c 132	20	100.0	252	3	US-08-221-653-39	Sequence 39, Appl	c 204	20	100.0	281	3	US-09-655-378A-123	Sequence 123, App
c 133	20	100.0	252	3	US-08-221-653-40	Sequence 40, Appl	c 205	20	100.0	281	3	US-09-655-378A-126	Sequence 126, App
c 134	20	100.0	252	3	US-08-221-653-41	Sequence 41, Appl	c 206	20	100.0	281	3	US-09-655-378A-127	Sequence 127, App
c 135	20	100.0	252	3	US-08-221-653-42	Sequence 42, Appl	c 207	20	100.0	281	3	US-09-655-378A-128	Sequence 128, App
c 136	20	100.0	252	3	US-08-221-653-43	Sequence 43, Appl	c 208	20	100.0	281	3	US-09-655-378A-129	Sequence 129, App
c 137	20	100.0	252	3	US-08-221-653-44	Sequence 44, Appl	c 209	20	100.0	281	3	US-09-655-378A-132	Sequence 132, App
c 138	20	100.0	252	3	US-08-221-653-45	Sequence 45, Appl	c 210	20	100.0	282	2	US-08-757-653-124	Sequence 124, App
c 139	20	100.0	252	3	US-08-221-653-48	Sequence 48, Appl	c 211	20	100.0	282	2	US-08-757-653-130	Sequence 130, App
c 140	20	100.0	252	3	US-08-221-653-49	Sequence 49, Appl	c 212	20	100.0	282	2	US-08-520-946-124	Sequence 124, App
c 141	20	100.0	252	3	US-08-442-144A-33	Sequence 33, Appl	c 213	20	100.0	282	3	US-08-520-946-130	Sequence 130, App
c 142	20	100.0	252	3	US-08-442-144A-34	Sequence 34, Appl	c 214	20	100.0	282	3	US-09-655-378A-124	Sequence 124, App
c 143	20	100.0	252	3	US-08-442-144A-35	Sequence 35, Appl	c 215	20	100.0	282	3	US-09-655-378A-130	Sequence 130, App
c 144	20	100.0	252	3	US-08-442-144A-36	Sequence 36, Appl	c 216	20	100.0	286	3	US-09-034-205-21	Sequence 21, Appl
c 145	20	100.0	252	3	US-08-442-144A-37	Sequence 37, Appl	c 217	20	100.0	286	3	US-08-934-097A-21	Sequence 21, Appl
c 146	20	100.0	252	3	US-08-442-144A-38	Sequence 38, Appl	c 218	20	100.0	286	3	US-08-851-588-21	Sequence 21, Appl
c 147	20	100.0	252	3	US-08-442-144A-39	Sequence 39, Appl	c 219	20	100.0	286	3	US-09-677-192-21	Sequence 21, Appl
c 148	20	100.0	252	3	US-08-442-144A-40	Sequence 40, Appl	c 220	20	100.0	286	3	US-09-677-192-21	Sequence 21, Appl
c 149	20	100.0	252	3	US-08-442-144A-41	Sequence 41, Appl	c 221	20	100.0	286	3	US-09-825-574-21	Sequence 21, Appl
c 150	20	100.0	252	3	US-08-442-144A-42	Sequence 42, Appl	c 222	20	100.0	286	3	US-09-676-768-21	Sequence 21, Appl
c 151	20	100.0	252	3	US-08-442-144A-43	Sequence 43, Appl	c 223	20	100.0	289	3	US-09-034-205-20	Sequence 20, Appl
c 152	20	100.0	252	3	US-08-442-144A-44	Sequence 44, Appl	c 224	20	100.0	289	3	US-09-034-205-23	Sequence 23, Appl
c 153	20	100.0	252	3	US-08-442-144A-45	Sequence 45, Appl	c 225	20	100.0	289	3	US-08-934-097A-20	Sequence 20, Appl
c 154	20	100.0	252	3	US-08-442-144A-48	Sequence 48, Appl	c 226	20	100.0	289	3	US-08-934-097A-23	Sequence 23, Appl
c 155	20	100.0	252	3	US-08-442-144A-49	Sequence 49, Appl	c 227	20	100.0	289	3	US-08-851-588-20	Sequence 20, Appl
c 156	20	100.0	252	3	US-08-441-970-33	Sequence 33, Appl	c 228	20	100.0	289	3	US-08-851-588-23	Sequence 23, Appl
c 157	20	100.0	252	3	US-08-441-970-34	Sequence 34, Appl	c 229	20	100.0	289	3	US-09-677-192B-23	Sequence 23, Appl
c 158	20	100.0	252	3	US-08-441-970-35	Sequence 35, Appl	c 230	20	100.0	289	3	US-09-677-192B-20	Sequence 20, Appl
c 159	20	100.0	252	3	US-08-441-970-36	Sequence 36, Appl	c 231	20	100.0	289	3	US-09-677-192-20	Sequence 20, Appl
c 160	20	100.0	252	3	US-08-441-970-37	Sequence 37, Appl	c 232	20	100.0	289	3	US-09-677-192-23	Sequence 23, Appl
c 161	20	100.0	252	3	US-08-441-970-38	Sequence 38, Appl	c 233	20	100.0	289	3	US-09-402-618B-20	Sequence 20, Appl
c 162	20	100.0	252	3	US-08-441-970-39	Sequence 39, Appl	c 234	20	100.0	289	3	US-09-402-618B-23	Sequence 23, Appl
c 163	20	100.0	252	3	US-08-441-970-40	Sequence 40, Appl	c 235	20	100.0	289	3	US-09-825-574-20	Sequence 20, Appl
c 164	20	100.0	252	3	US-08-441-970-41	Sequence 41, Appl	c 236	20	100.0	289	3	US-09-825-574-23	Sequence 23, Appl
c 165	20	100.0	252	3	US-08-441-970-42	Sequence 42, Appl	c 237	20	100.0	289	3	US-09-676-768-20	Sequence 20, Appl
c 166	20	100.0	252	3	US-08-441-970-43	Sequence 43, Appl	c 238	20	100.0	289	3	US-09-676-768-23	Sequence 23, Appl
c 167	20	100.0	252	3	US-08-441-970-44	Sequence 44, Appl	c 239	20	100.0	289	3	US-09-676-768-23	Sequence 23, Appl
c 168	20	100.0	252	3	US-08-441-970-45	Sequence 45, Appl	c 240	20	100.0	305	2	US-08-332-616A-1	Sequence 1, Appl
c 169	20	100.0	252	3	US-08-441-970-48	Sequence 48, Appl	c 241	20	100.0	305	2	US-08-317-220-1	Sequence 1, Appl
c 170	20	100.0	252	3	US-08-441-970-49	Sequence 49, Appl	c 242	20	100.0	308	3	US-08-444-818-108	Sequence 108, App
	20	100.0				Sequence 49, Appl	c 243	20	100.0	308	3	US-08-444-818-109	Sequence 109, App

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C 245	20	100.0	308	3	US-08-444-818-112	Sequence 112, App	318	20	100.0	2674	3	US-10-066-130-19	Sequence 19, Appl
C 246	20	100.0	308	3	US-08-444-818-114	Sequence 114, App	319	20	100.0	2771	3	US-10-066-130-18	Sequence 18, Appl
C 247	20	100.0	308	3	US-08-444-818-116	Sequence 116, App	320	20	100.0	5860	3	US-10-066-130-17	Sequence 17, Appl
C 248	20	100.0	308	3	US-08-444-818-118	Sequence 118, App	321	20	100.0	7989	3	US-09-539-601-10	Sequence 10, Appl
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C 250	20	100.0	324	2	US-08-470-426B-15	Sequence 15, Appl	323	20	100.0	7992	3	US-10-005-469-2	Sequence 2, Appl
C 251	20	100.0	337	2	US-08-756-386-56	Sequence 56, Appl	324	20	100.0	7992	3	US-10-005-469-4	Sequence 4, Appl
C 252	20	100.0	337	2	US-08-823-516-45	Sequence 45, Appl	325	20	100.0	7992	3	US-10-005-469-5	Sequence 5, Appl
C 253	20	100.0	337	3	US-08-682-853A-56	Sequence 56, Appl	326	20	100.0	7992	3	US-10-005-469-6	Sequence 6, Appl
C 254	20	100.0	337	3	US-08-758-314-56	Sequence 56, Appl	327	20	100.0	7995	3	US-10-005-469-3	Sequence 3, Appl
C 255	20	100.0	337	3	US-08-759-038-56	Sequence 56, Appl	328	20	100.0	8001	3	US-09-539-601-7	Sequence 7, Appl
C 256	20	100.0	337	3	US-09-350-309-56	Sequence 56, Appl	329	20	100.0	8001	3	US-09-539-601-16	Sequence 16, Appl
C 257	20	100.0	337	3	US-09-684-938-56	Sequence 56, Appl	330	20	100.0	8001	3	US-09-539-601-22	Sequence 22, Appl
C 258	20	100.0	337	3	US-09-308-828A-56	Sequence 56, Appl	331	20	100.0	8001	3	US-09-539-601-28	Sequence 28, Appl
C 259	20	100.0	337	3	US-09-940-244-45	Sequence 45, Appl	332	20	100.0	8637	3	US-09-539-601-4	Sequence 4, Appl
C 260	20	100.0	337	3	US-09-333-145-56	Sequence 56, Appl	333	20	100.0	8637	3	US-09-539-601-6	Sequence 6, Appl
C 261	20	100.0	337	3	US-09-381-212-45	Sequence 45, Appl	334	20	100.0	8638	3	US-10-029-907-7	Sequence 7, Appl
C 262	20	100.0	337	3	US-10-081-806-56	Sequence 56, Appl	335	20	100.0	8638	3	US-10-029-907-24	Sequence 24, Appl
C 263	20	100.0	337	3	US-09-713-601A-45	Sequence 45, Appl	336	20	100.0	8638	3	US-10-029-907-25	Sequence 25, Appl
C 264	20	100.0	341	2	US-08-440-209-1	Sequence 1, Appl	337	20	100.0	8638	3	US-10-029-907-22	Sequence 22, Appl
C 265	20	100.0	341	3	US-08-854-531-4	Sequence 4, Appl	338	20	100.0	8638	3	US-10-309-561A-6	Sequence 6, Appl
C 266	20	100.0	341	3	US-08-439-996-1	Sequence 1, Appl	339	20	100.0	8638	3	US-10-309-561A-7	Sequence 7, Appl
C 267	20	100.0	341	3	US-09-014-416-47	Sequence 47, Appl	340	20	100.0	8638	3	US-10-309-561A-24	Sequence 24, Appl
C 268	20	100.0	341	3	US-09-014-416-48	Sequence 48, Appl	341	20	100.0	8638	3	US-10-309-561A-25	Sequence 25, Appl
C 269	20	100.0	341	3	US-09-014-416-49	Sequence 49, Appl	342	20	100.0	8639	3	US-10-029-907-1	Sequence 1, Appl
C 270	20	100.0	341	3	US-08-869-380-4	Sequence 4, Appl	343	20	100.0	8642	3	US-10-029-907-2	Sequence 2, Appl
C 271	20	100.0	341	3	US-09-814-351-3	Sequence 3, Appl	344	20	100.0	8642	3	US-10-029-907-5	Sequence 5, Appl
C 272	20	100.0	341	3	US-09-814-292-44	Sequence 44, Appl	345	20	100.0	8643	3	US-10-029-907-4	Sequence 4, Appl
C 273	20	100.0	341	3	US-09-814-357-3	Sequence 3, Appl	346	20	100.0	8643	3	US-10-309-561A-4	Sequence 4, Appl
C 274	20	100.0	341	3	US-10-259-275-35	Sequence 35, Appl	347	20	100.0	8648	3	US-10-029-907-5	Sequence 5, Appl
C 275	20	100.0	341	6	PCT-US95-13552-4	Sequence 4, Appl	348	20	100.0	8648	3	US-10-309-561A-5	Sequence 5, Appl
C 276	20	100.0	342	3	US-08-474-700B-39	Sequence 39, Appl	349	20	100.0	8649	3	US-09-539-601-13	Sequence 13, Appl
C 277	20	100.0	342	3	US-09-763-836-7	Sequence 7, Appl	350	20	100.0	9185	3	US-08-444-818-122	Sequence 122, App
C 278	20	100.0	347	3	US-08-150-204E-100	Sequence 100, App	351	20	100.0	9185	3	US-08-444-818-123	Sequence 123, App
C 279	20	100.0	350	6	PCT-US93-03266-1	Sequence 1, Appl	352	20	100.0	9365	3	US-09-827-688-7	Sequence 7, Appl
C 280	20	100.0	359	3	US-08-150-204E-99	Sequence 99, Appl	353	20	100.0	9379	3	US-08-444-818-176	Sequence 176, App
C 281	20	100.0	360	3	US-08-150-204E-98	Sequence 98, Appl	354	20	100.0	9379	3	US-09-388-874-1	Sequence 1, Appl
C 282	20	100.0	386	2	US-08-757-653-122	Sequence 122, App	355	20	100.0	9379	3	US-09-916-359-1	Sequence 1, Appl
C 283	20	100.0	386	2	US-08-520-946-122	Sequence 122, App	356	20	100.0	9401	2	US-07-910-760-9	Sequence 9, Appl
C 284	20	100.0	386	3	US-09-655-378A-122	Sequence 122, App	357	20	100.0	9401	2	US-08-440-519-9	Sequence 9, Appl
C 285	20	100.0	504	3	US-08-191-160-18	Sequence 18, App	358	20	100.0	9401	2	US-08-432-693-1	Sequence 1, Appl
C 286	20	100.0	587	3	US-09-720-201A-2	Sequence 2, Appl	359	20	100.0	9401	3	US-08-440-549-9	Sequence 9, Appl
C 287	20	100.0	652	3	US-08-836-075A-59	Sequence 59, Appl	360	20	100.0	9401	3	US-08-823-895A-25	Sequence 25, Appl
C 288	20	100.0	665	3	US-08-444-818-94	Sequence 94, Appl	361	20	100.0	9401	6	PCT-US91-02225-9	Sequence 9, Appl
C 289	20	100.0	665	3	US-08-444-818-95	Sequence 95, Appl	362	20	100.0	9413	3	US-09-827-688-6	Sequence 6, Appl
C 290	20	100.0	665	3	US-08-444-818-96	Sequence 96, Appl	363	20	100.0	9416	2	US-08-324-977-1	Sequence 1, Appl
C 291	20	100.0	665	3	US-08-444-818-98	Sequence 98, Appl	364	20	100.0	9416	2	US-08-384-616-1	Sequence 1, Appl
C 292	20	100.0	665	3	US-08-444-818-98	Sequence 98, App	365	20	100.0	9416	3	US-08-811-566-19	Sequence 19, Appl
C 293	20	100.0	665	3	US-08-444-818-100	Sequence 100, App	366	20	100.0	9416	3	US-08-811-566-1	Sequence 1, Appl
C 294	20	100.0	685	3	US-09-690-936-37	Sequence 37, Appl	367	20	100.0	9416	3	US-09-315-850-1	Sequence 1, Appl
C 295	20	100.0	685	3	US-08-988-321B-37	Sequence 37, Appl	368	20	100.0	9416	3	US-09-034-756-19	Sequence 19, Appl
C 296	20	100.0	686	3	US-08-397-220B-25	Sequence 25, Appl	369	20	100.0	9416	3	US-08-823-895A-26	Sequence 26, Appl
C 297	20	100.0	686	3	US-08-650-093C-25	Sequence 25, Appl	370	20	100.0	9416	3	US-08-823-895A-27	Sequence 27, Appl
C 298	20	100.0	702	3	US-09-720-201A-3	Sequence 3, Appl	371	20	100.0	9416	3	US-10-104-966-13	Sequence 13, Appl
C 299	20	100.0	713	3	US-09-763-836-1	Sequence 1, Appl	372	20	100.0	9472	3	US-09-929-955-13	Sequence 13, Appl
C 300	20	100.0	780	3	US-08-474-700B-45	Sequence 45, Appl	373	20	100.0	9472	3	US-08-150-204E-96	Sequence 96, Appl
C 301	20	100.0	803	2	US-08-157-235-2	Sequence 2, Appl	374	20	100.0	9595	3	US-09-014-416-4	Sequence 4, Appl
C 302	20	100.0	803	2	US-08-157-235-2	Sequence 2, Appl	375	20	100.0	9599	3	US-09-014-416-2	Sequence 2, Appl
C 303	20	100.0	803	2	US-08-157-235-4	Sequence 4, Appl	376	20	100.0	9599	3	US-09-014-416-6	Sequence 6, Appl
C 304	20	100.0	803	2	US-08-157-235-5	Sequence 5, Appl	377	20	100.0	9646	3	US-08-811-566-1	Sequence 1, Appl
C 305	20	100.0	803	2	US-08-157-235-6	Sequence 6, Appl	378	20	100.0	9646	3	US-09-034-756-1	Sequence 1, Appl
C 306	20	100.0	803	2	US-08-157-235-6	Sequence 6, Appl	379	20	100.0	10803	3	US-10-259-275-17	Sequence 17, Appl
C 307	20	100.0	923	3	US-08-869-380-1	Sequence 1, Appl	380	20	100.0	11076	3	US-09-539-601-1	Sequence 1, Appl
C 308	20	100.0	923	6	PCT-US95-13552-14	Sequence 14, Appl	381	20	100.0	11076	3	US-09-539-601-19	Sequence 19, Appl
C 309	20	100.0	1499	2	US-08-324-977-3	Sequence 3, Appl	382	20	100.0	11076	3	US-09-539-601-25	Sequence 25, Appl
C 310	20	100.0	1499	2	US-08-384-616-3	Sequence 3, Appl	383	20	100.0	11076	3	US-09-539-601-31	Sequence 31, Appl
C 311	20	100.0	1499	2	US-08-904-686A-3	Sequence 3, Appl	384	20	100.0	12980	3	US-08-811-566-5	Sequence 5, Appl
C 312	20	100.0	1499	3	US-09-315-850-3	Sequence 3, Appl	385	20	100.0	12980	3	US-09-034-756-5	Sequence 5, Appl
C 313	20	100.0	1863	2	US-08-470-426B-13	Sequence 13, Appl	386	19	95.0	19	2	US-08-466-033-7	Sequence 7, Appl
C 314	20	100.0	1863	2	US-08-470-426B-14	Sequence 14, Appl	387	19	95.0	19	2	US-08-444-733-7	Sequence 7, Appl
C 315	20	100.0	2116	3	US-08-191-160-21	Sequence 21, Appl	388	19	95.0	19	2	US-08-464-134-7	Sequence 7, Appl
C 316	20	100.0					389	19	95.0	19	2	US-08-461-361-7	Sequence 7, Appl





536	18	90.0	21	3	US-08-650-0930C-16	Sequence 16, Appl	609	14	70.0	4069	3	US-09-710-279-3976	Sequence 3976, Ap
537	18	90.0	21	3	US-08-823-895A-16	Sequence 16, Appl	c 610	13	65.0	15	2	US-08-182-968A-12	Sequence 12, Appl
538	18	90.0	39	3	US-09-292-563-9	Sequence 9, Appl	c 611	13	65.0	15	2	US-08-774-306A-12	Sequence 12, Appl
539	17	85.0	20	2	US-08-468-447-1	Sequence 1, Appl	c 612	13	65.0	15	3	US-09-064-156A-12	Sequence 12, Appl
540	17	85.0	20	2	US-08-469-851A-1	Sequence 1, Appl	c 613	13	65.0	16	3	US-08-954-210A-18	Sequence 18, Appl
541	17	85.0	20	2	US-08-467-597A-1	Sequence 1, Appl	c 614	13	65.0	16	3	US-09-431-419A-18	Sequence 18, Appl
542	17	85.0	20	2	US-08-468-569A-1	Sequence 1, Appl	c 615	13	65.0	18	2	US-08-097-853-1	Sequence 1, Appl
543	17	85.0	20	2	US-08-466-692A-1	Sequence 1, Appl	616	13	65.0	18	2	US-08-438-435-1	Sequence 1, Appl
544	17	85.0	20	2	US-08-471-966A-1	Sequence 1, Appl	617	13	65.0	18	3	US-09-782-361-4	Sequence 4, Appl
545	17	85.0	20	3	US-08-829-637A-122	Sequence 122, App	618	13	65.0	19	3	US-09-311-260-75	Sequence 75, Appl
546	17	85.0	20	3	US-08-650-093C-107	Sequence 107, App	619	13	65.0	21	2	US-09-875-945-13	Sequence 13, Appl
547	17	85.0	20	6	PCT-US96-08757A-1	Sequence 1, Appl	620	13	65.0	22	2	US-08-547-842-2	Sequence 2, Appl
c 548	17	85.0	177	2	US-08-244-116B-18	Sequence 18, Appl	c 621	13	65.0	25	2	US-08-240-547-12	Sequence 12, Appl
549	16	80.0	20	2	US-08-468-447-2	Sequence 2, Appl	622	13	65.0	29	3	US-09-210-657-2	Sequence 2, Appl
550	16	80.0	20	2	US-08-469-851A-2	Sequence 2, Appl	623	13	65.0	29	3	US-09-210-657-2	Sequence 2, Appl
551	16	80.0	20	2	US-08-467-597A-2	Sequence 2, Appl	624	13	65.0	29	3	US-08-240-547-12	Sequence 2, Appl
552	16	80.0	20	2	US-08-468-569A-2	Sequence 2, Appl	625	13	65.0	29	3	US-09-210-657-3	Sequence 3, Appl
553	16	80.0	20	2	US-08-466-692A-2	Sequence 2, Appl	626	13	65.0	416	3	US-09-270-767-3547	Sequence 3547, Ap
554	16	80.0	20	2	US-08-471-966A-2	Sequence 2, Appl	627	13	65.0	416	3	US-09-270-767-18829	Sequence 18829, A
555	16	80.0	20	3	US-08-397-220B-62	Sequence 62, Appl	628	13	65.0	576	3	US-09-809-545A-61	Sequence 61, Appl
556	16	80.0	20	3	US-08-829-637A-123	Sequence 123, App	c 629	13	65.0	601	3	US-09-949-016-66040	Sequence 66040, A
557	16	80.0	20	3	US-08-650-093C-62	Sequence 62, Appl	630	13	65.0	601	3	US-09-949-016-78524	Sequence 78524, A
558	16	80.0	20	3	US-09-519-859A-4	Sequence 4, Appl	631	13	65.0	601	3	US-09-949-016-78525	Sequence 78525, A
559	16	80.0	20	3	US-09-546-596A-13	Sequence 13, Appl	632	13	65.0	601	3	US-09-949-016-78526	Sequence 78526, A
560	16	80.0	20	3	US-08-117-363A-13	Sequence 13, Appl	c 633	13	65.0	601	3	US-09-949-016-78527	Sequence 78527, A
561	16	80.0	20	3	US-08-464-953B-13	Sequence 13, Appl	c 634	13	65.0	601	3	US-09-949-016-179979	Sequence 179979, A
562	16	80.0	20	6	PCT-US96-08757A-2	Sequence 2, Appl	c 635	13	65.0	786	3	US-09-489-039A-1447	Sequence 1447, Ap
563	16	80.0	26	2	US-08-240-547-17	Sequence 17, Appl	c 636	13	65.0	963	3	US-09-543-681A-2495	Sequence 2495, Ap
c 564	15	75.0	15	2	US-08-182-968A-11	Sequence 11, Appl	637	13	65.0	1419	3	US-09-540-236-177	Sequence 177, App
c 565	15	75.0	15	2	US-08-774-306A-11	Sequence 11, Appl	638	13	65.0	1599	3	US-09-256-465-1	Sequence 1, Appl
c 566	15	75.0	15	3	US-09-064-156A-11	Sequence 11, Appl	639	13	65.0	1599	3	US-09-167-322-3	Sequence 3, Appl
c 567	15	75.0	16	3	US-09-474-432B-14	Sequence 14, Appl	c 640	13	65.0	1599	3	US-09-023-655-1004	Sequence 1004, Ap
c 568	15	75.0	16	3	US-09-474-432B-14	Sequence 14, Appl	c 641	13	65.0	1947	3	US-09-715-858-3	Sequence 3, Appl
569	15	75.0	20	3	US-09-935-338-230	Sequence 230, App	c 642	13	65.0	2448	3	US-08-487-596-13	Sequence 13, Appl
570	15	75.0	28	3	US-08-474-700B-10	Sequence 10, Appl	c 643	13	65.0	2448	3	US-08-660-451A-13	Sequence 13, Appl
571	15	75.0	28	6	PCT-US95-05812-10	Sequence 10, Appl	c 644	13	65.0	2448	3	US-08-703-951A-13	Sequence 13, Appl
572	15	75.0	45	2	US-08-690-495-23	Sequence 23, Appl	c 645	13	65.0	2450	2	US-08-466-589-9	Sequence 9, Appl
573	15	75.0	45	2	US-08-690-494-23	Sequence 23, Appl	c 646	13	65.0	2450	2	US-08-700-636-9	Sequence 9, Appl
574	15	75.0	45	3	US-09-293-217-23	Sequence 23, Appl	c 647	13	65.0	2450	3	US-08-467-574-9	Sequence 9, Appl
575	15	75.0	45	3	US-09-728-265-23	Sequence 23, Appl	c 648	13	65.0	2450	3	US-09-217-345-9	Sequence 9, Appl
576	15	75.0	45	3	US-10-309-438-23	Sequence 23, Appl	c 649	13	65.0	2450	3	US-09-892-985-9	Sequence 9, Appl
577	15	75.0	45	6	PCT-US95-07671-23	Sequence 23, Appl	c 650	13	65.0	3571	3	US-09-799-451-411	Sequence 411, App
578	15	75.0	45	8	US-09-798-641-23	Sequence 23, Appl	651	13	65.0	3766	3	US-09-981-953A-1	Sequence 1, Appl
c 579	14	70.0	16	3	US-09-474-432B-15	Sequence 15, Appl	c 652	13	65.0	4732	3	US-09-949-016-14962	Sequence 14962, A
c 580	14	70.0	16	3	US-09-476-387-15	Sequence 15, Appl	c 653	13	65.0	6359	3	US-09-475-252-1	Sequence 1, Appl
581	14	70.0	18	3	US-09-576-537-1	Sequence 7, Appl	c 654	13	65.0	9008	3	US-09-949-016-12576	Sequence 12576, A
582	14	70.0	20	2	US-08-157-235-7	Sequence 7, Appl	655	13	65.0	9009	3	US-09-949-016-14036	Sequence 14036, A
c 583	14	70.0	20	2	US-08-157-235-18	Sequence 18, Appl	656	13	65.0	10627	2	US-08-060-925A-12	Sequence 12, Appl
584	14	70.0	20	3	US-08-397-220B-61	Sequence 61, Appl	657	13	65.0	12222	3	US-09-328-925-42	Sequence 42, Appl
585	14	70.0	20	3	US-08-650-093C-61	Sequence 61, Appl	c 658	13	65.0	17590	3	US-08-762-311-1	Sequence 1, Appl
586	14	70.0	23	2	US-08-356-287-28	Sequence 28, Appl	659	13	65.0	37030	3	US-08-311-731A-25	Sequence 25, Appl
c 587	14	70.0	23	6	PCT-US93-04863-28	Sequence 28, Appl	c 660	13	65.0	58909	3	US-09-596-002-30	Sequence 30, Appl
c 588	14	70.0	33	2	US-08-356-287-26	Sequence 26, Appl	c 661	13	65.0	82178	3	US-08-949-016-13394	Sequence 13394, A
c 589	14	70.0	33	6	PCT-US93-04863-26	Sequence 26, Appl	c 662	13	65.0	88669	3	US-09-949-016-12017	Sequence 12017, A
590	14	70.0	53	2	US-08-429-181-48	Sequence 48, Appl	c 663	13	65.0	85878	3	US-09-949-016-16321	Sequence 16321, A
591	14	70.0	53	2	US-08-164-388-48	Sequence 48, Appl	c 664	13	65.0	87562	3	US-09-949-016-13685	Sequence 13685, A
c 592	14	70.0	57	6	US-08-356-287-36	Sequence 36, Appl	c 665	13	65.0	87870	3	US-09-949-016-14461	Sequence 14461, A
c 593	14	70.0	57	6	PCT-US93-04863-36	Sequence 36, Appl	666	13	65.0	101356	3	US-09-949-016-12364	Sequence 12364, A
594	14	70.0	64	2	US-08-429-181-30	Sequence 30, Appl	667	13	65.0	101357	3	US-08-949-016-16924	Sequence 16924, A
595	14	70.0	64	2	US-08-164-388-30	Sequence 30, Appl	c 668	13	65.0	139552	3	US-09-949-016-15300	Sequence 15300, A
c 596	14	70.0	180	3	US-08-441-971-50	Sequence 50, Appl	669	13	65.0	160018	3	US-09-949-016-12617	Sequence 12617, A
c 597	14	70.0	180	3	US-08-441-971-51	Sequence 51, Appl	670	13	65.0	160018	3	US-09-949-016-12617	Sequence 12617, A
c 598	14	70.0	180	3	US-08-221-653-50	Sequence 50, Appl	c 671	13	65.0	160018	3	US-09-949-016-15994	Sequence 15994, A
c 599	14	70.0	180	3	US-08-221-653-51	Sequence 51, Appl	c 672	13	65.0	251672	3	US-09-949-016-17296	Sequence 17296, A
c 600	14	70.0	180	3	US-08-442-144A-50	Sequence 50, Appl	c 673	13	65.0	251682	3	US-09-949-016-11973	Sequence 11973, A
c 601	14	70.0	180	3	US-08-442-144A-51	Sequence 51, Appl	c 674	13	65.0	264358	3	US-08-949-016-15723	Sequence 15723, A
c 602	14	70.0	180	3	US-08-442-144A-51	Sequence 51, Appl	675	13	65.0	784019	3	US-09-949-016-14033	Sequence 14033, A
c 603	14	70.0	180	3	US-08-441-970-50	Sequence 50, Appl	c 676	12	60.0	828152	3	US-09-949-016-12777	Sequence 12777, A
c 604	14	70.0	927	3	US-08-441-970-51	Sequence 51, Appl	c 677	12	60.0	15	2	US-08-182-968A-10	Sequence 10, Appl
c 605	14	70.0	930	3	US-09-710-279-1731	Sequence 1731, Ap	c 678	12	60.0	15	2	US-08-774-306A-10	Sequence 10, Appl
c 606	14	70.0	1482	3	US-09-134-001C-202	Sequence 202, App	c 679	12	60.0	20	3	US-08-064-156A-10	Sequence 10, Appl
c 607	14	70.0	2352	3	US-09-252-991A-11453	Sequence 11453, A	680	12	60.0	20	3	US-08-397-220B-92	Sequence 92, Appl
608	14	70.0	2352	3	US-09-051-239A-14	Sequence 14, Appl	c 681	12	60.0	25	3	US-08-650-093C-92	Sequence 92, Appl
												US-09-396-196G-81134	Sequence 81134, A

c 682	12	60.0	25	3	US-09-396-196G-81135	Sequence 81135, A	c 755	12	60.0	2059	6	PCT-US92-08558-2	Sequence 2, Appli
c 683	12	60.0	25	3	US-09-396-196G-81146	Sequence 81146, A	c 756	12	60.0	2066	3	US-08-072-064-2	Sequence 2, Appli
c 684	12	60.0	25	3	US-09-396-196G-81147	Sequence 81147, A	c 757	12	60.0	2066	3	US-08-072-064-3	Sequence 3, Appli
c 685	12	60.0	25	3	US-09-396-196G-81148	Sequence 81148, A	c 758	12	60.0	2066	3	US-08-072-064-5	Sequence 5, Appli
c 686	12	60.0	45	3	US-08-931-220-23	Sequence 23, Appl	c 759	12	60.0	2066	3	US-08-072-064-7	Sequence 7, Appli
c 687	12	60.0	45	3	US-08-931-220-36	Sequence 36, Appl	c 760	12	60.0	2191	3	US-08-632-806A-6	Sequence 6, Appli
c 688	12	60.0	45	3	US-08-931-220-40	Sequence 40, Appl	c 761	12	60.0	2192	2	US-08-273-538A-6	Sequence 6, Appli
c 689	12	60.0	45	6	PCT-US95-11723-23	Sequence 23, Appl	c 762	12	60.0	2194	3	US-10-104-047-451	Sequence 451, App
c 690	12	60.0	45	6	PCT-US95-11723-36	Sequence 36, Appl	c 763	12	60.0	2390	3	US-09-949-016-12124	Sequence 2124, Ap
c 691	12	60.0	45	6	PCT-US95-11723-40	Sequence 40, Appl	c 764	12	60.0	2735	3	US-09-976-594-372	Sequence 372, App
c 692	12	60.0	45	6	PCT-US96-05997-23	Sequence 23, Appl	c 765	12	60.0	3034	3	US-09-799-451-517	Sequence 517, App
c 693	12	60.0	45	6	PCT-US96-05997-36	Sequence 36, Appl	c 766	12	60.0	3636	3	US-08-961-521B-78	Sequence 78, Appl
c 694	12	60.0	45	6	PCT-US96-05997-40	Sequence 40, Appl	c 767	12	60.0	4029	2	US-07-862-021B-9	Sequence 9, Appli
c 695	12	60.0	240	3	US-09-313-294A-4103	Sequence 4103, Ap	c 768	12	60.0	4029	2	US-08-313-288B-9	Sequence 9, Appli
c 696	12	60.0	282	3	US-09-248-796A-12163	Sequence 12163, A	c 769	12	60.0	4029	2	US-09-132-769-6	Sequence 6, Appli
c 697	12	60.0	329	3	US-09-602-787A-93	Sequence 93, Appl	c 770	12	60.0	4029	6	PCT-US93-03164-9	Sequence 9, Appli
c 698	12	60.0	355	3	US-08-444-818-104	Sequence 104, App	c 771	12	60.0	4115	3	US-09-302-620B-85	Sequence 85, Appli
c 699	12	60.0	355	3	US-08-444-818-106	Sequence 106, App	c 772	12	60.0	4115	3	US-09-912-161-7	Sequence 7, Appli
c 700	12	60.0	365	3	US-09-423-223-3	Sequence 3, Appli	c 773	12	60.0	4576	2	US-08-832-883-49	Sequence 49, Appl
c 701	12	60.0	394	3	US-09-270-767-2009	Sequence 2009, Ap	c 774	12	60.0	4576	2	US-08-832-877-49	Sequence 49, Appl
c 702	12	60.0	394	3	US-09-270-767-17291	Sequence 17291, A	c 775	12	60.0	4700	3	US-09-150-460B-9	Sequence 9, Appli
c 703	12	60.0	427	3	US-09-533-559-1335	Sequence 1335, Ap	c 776	12	60.0	4898	3	US-09-636-499-17	Sequence 17, Appl
c 704	12	60.0	456	3	US-09-513-999C-34855	Sequence 34855, A	c 777	12	60.0	5438	3	US-08-456-200B-5	Sequence 5, Appli
c 705	12	60.0	473	3	US-09-513-999C-3002	Sequence 3002, Ap	c 778	12	60.0	5521	3	US-08-956-171E-408	Sequence 408, App
c 706	12	60.0	513	3	US-08-817-441-95	Sequence 95, Appl	c 779	12	60.0	5521	3	US-08-781-986A-408	Sequence 408, App
c 707	12	60.0	599	3	US-09-580-797-37	Sequence 37, Appl	c 780	12	60.0	10082	3	US-09-949-016-15569	Sequence 15569, A
c 708	12	60.0	601	3	US-09-949-016-23021	Sequence 23021, A	c 781	12	60.0	11947	3	US-09-949-016-13414	Sequence 13414, A
c 709	12	60.0	601	3	US-09-949-016-38100	Sequence 38100, A	c 782	12	60.0	12847	3	US-09-949-016-13866	Sequence 13866, A
c 710	12	60.0	601	3	US-09-949-016-42593	Sequence 42593, A	c 783	12	60.0	13595	3	US-09-949-016-12529	Sequence 12529, A
c 711	12	60.0	601	3	US-09-949-016-42625	Sequence 42625, A	c 784	12	60.0	13970	3	US-09-949-016-16690	Sequence 16690, A
c 712	12	60.0	601	3	US-09-949-016-42657	Sequence 42657, A	c 785	12	60.0	20951	3	US-09-805-455-3	Sequence 3, Appli
c 713	12	60.0	601	3	US-09-949-016-42689	Sequence 42689, A	c 786	12	60.0	22547	3	US-09-949-016-13679	Sequence 13679, A
c 714	12	60.0	601	3	US-09-949-016-42721	Sequence 42721, A	c 787	12	60.0	23218	3	US-09-949-016-11987	Sequence 11987, A
c 715	12	60.0	601	3	US-09-949-016-42753	Sequence 42753, A	c 788	12	60.0	23219	3	US-09-949-016-13396	Sequence 13396, A
c 716	12	60.0	601	3	US-09-949-016-53367	Sequence 53367, A	c 789	12	60.0	23319	3	US-09-949-016-14407	Sequence 14407, A
c 717	12	60.0	601	3	US-09-949-016-57168	Sequence 57168, A	c 790	12	60.0	23417	3	US-09-902-540-1207	Sequence 1207, Ap
c 718	12	60.0	601	3	US-09-949-016-68297	Sequence 68297, A	c 791	12	60.0	24221	3	US-09-949-016-14964	Sequence 14964, A
c 719	12	60.0	601	3	US-09-949-016-93547	Sequence 93547, A	c 792	12	60.0	24979	2	US-08-147-777-3	Sequence 3, Appli
c 720	12	60.0	601	3	US-09-949-016-93579	Sequence 93579, A	c 793	12	60.0	24979	3	US-08-452-872-3	Sequence 3, Appli
c 721	12	60.0	601	3	US-09-949-016-93611	Sequence 93611, A	c 794	12	60.0	24979	6	PCT-US93-03985-3	Sequence 3, Appli
c 722	12	60.0	601	3	US-09-949-016-93643	Sequence 93643, A	c 795	12	60.0	26502	3	US-09-949-016-14585	Sequence 14585, A
c 723	12	60.0	601	3	US-09-949-016-93675	Sequence 93675, A	c 796	12	60.0	28030	3	US-09-949-016-12305	Sequence 12305, A
c 724	12	60.0	601	3	US-09-949-016-93707	Sequence 93707, A	c 797	12	60.0	28030	3	US-09-949-016-16948	Sequence 16948, A
c 725	12	60.0	601	3	US-09-949-016-120780	Sequence 120780, A	c 798	12	60.0	32068	3	US-09-949-016-12970	Sequence 12970, A
c 726	12	60.0	601	3	US-09-949-016-136292	Sequence 136292, A	c 799	12	60.0	32068	3	US-09-949-016-12971	Sequence 12971, A
c 727	12	60.0	601	3	US-09-949-016-136293	Sequence 136293, A	c 800	12	60.0	32068	3	US-09-949-016-12972	Sequence 12972, A
c 728	12	60.0	601	3	US-09-949-016-137553	Sequence 137553, A	c 801	12	60.0	32068	3	US-09-949-016-12973	Sequence 12973, A
c 729	12	60.0	601	3	US-09-949-016-137554	Sequence 137554, A	c 802	12	60.0	32068	3	US-09-949-016-12975	Sequence 12975, A
c 730	12	60.0	601	3	US-09-949-016-140784	Sequence 140784, A	c 803	12	60.0	32068	3	US-09-949-016-12975	Sequence 12975, A
c 731	12	60.0	601	3	US-09-949-016-142881	Sequence 142881, A	c 804	12	60.0	32068	3	US-09-949-016-14436	Sequence 14436, A
c 732	12	60.0	601	3	US-09-949-016-201028	Sequence 201028, A	c 805	12	60.0	32068	3	US-09-949-016-14437	Sequence 14437, A
c 733	12	60.0	601	3	US-09-949-016-203391	Sequence 203391, A	c 806	12	60.0	32068	3	US-09-949-016-14438	Sequence 14438, A
c 734	12	60.0	601	3	US-09-949-016-203392	Sequence 203392, A	c 807	12	60.0	32068	3	US-09-949-016-14439	Sequence 14439, A
c 735	12	60.0	601	3	US-09-949-016-204222	Sequence 204222, A	c 808	12	60.0	32068	3	US-09-949-016-14440	Sequence 14440, A
c 736	12	60.0	603	3	US-09-328-352-755	Sequence 755, App	c 809	12	60.0	33392	3	US-09-949-016-14441	Sequence 14441, A
c 737	12	60.0	604	3	US-09-533-559-1261	Sequence 1261, App	c 810	12	60.0	33392	3	US-09-949-016-15172	Sequence 15172, A
c 738	12	60.0	675	3	US-09-583-110-76	Sequence 76, Appl	c 811	12	60.0	38371	3	US-09-949-016-12061	Sequence 12061, A
c 739	12	60.0	676	3	US-09-580-797-5	Sequence 5, Appli	c 812	12	60.0	38371	3	US-09-949-016-12488	Sequence 12488, A
c 740	12	60.0	728	3	US-09-573-080A-166	Sequence 166, App	c 813	12	60.0	38371	3	US-09-949-016-15596	Sequence 15596, A
c 741	12	60.0	768	3	US-09-107-433-36	Sequence 36, Appl	c 814	12	60.0	38371	3	US-09-949-016-15597	Sequence 15597, A
c 742	12	60.0	926	3	US-09-270-767-13462	Sequence 13462, A	c 815	12	60.0	38675	3	US-08-311-731A-135	Sequence 135, App
c 743	12	60.0	1078	2	US-09-522-689A-1	Sequence 1, Appli	c 816	12	60.0	41171	3	US-08-311-731A-122	Sequence 122, App
c 744	12	60.0	1262	2	US-07-715-751B-3	Sequence 3, Appli	c 817	12	60.0	44676	3	US-09-949-016-17511	Sequence 17511, A
c 745	12	60.0	1272	2	US-08-343-682-2	Sequence 2, Appli	c 818	12	60.0	45275	3	US-09-949-016-12533	Sequence 12533, A
c 746	12	60.0	1325	3	US-09-566-921-131	Sequence 131, App	c 819	12	60.0	51049	3	US-09-949-016-15571	Sequence 15571, A
c 747	12	60.0	1586	3	US-09-244-805-54	Sequence 54, App	c 820	12	60.0	55387	3	US-09-949-016-12993	Sequence 12993, A
c 748	12	60.0	1632	3	US-09-614-221A-274	Sequence 274, App	c 821	12	60.0	56399	3	US-09-949-002-678	Sequence 678, App
c 749	12	60.0	1641	3	US-09-489-039A-5118	Sequence 5118, Ap	c 822	12	60.0	56399	3	US-09-949-002-678	Sequence 678, App
c 750	12	60.0	1740	2	US-08-796-488-1	Sequence 1, Appli	c 823	12	60.0	76962	3	US-09-949-016-17482	Sequence 17482, A
c 751	12	60.0	1740	2	US-08-243-934-1	Sequence 1, Appli	c 824	12	60.0	77661	3	US-09-949-016-12770	Sequence 12770, A
c 752	12	60.0	1755	3	US-09-107-532A-910	Sequence 910, App	c 825	12	60.0	77661	3	US-09-949-016-13751	Sequence 13751, A
c 753	12	60.0	1970	3	US-08-072-064-9	Sequence 9, Appli	c 826	12	60.0	83516	3	US-09-949-016-15378	Sequence 15378, A
c 754	12	60.0	1970	6	PCT-US92-08558-3	Sequence 3, Appli	c 827	12	60.0	93510	3	US-09-949-016-15095	Sequence 15095, A

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829	12	60.0	98302	3	US-09-949-016-16847	Sequence 16847, A	c 902	11	55.0	50	2	US-08-123-936-533	Sequence 533, App
830	12	60.0	107820	3	US-09-792-616-1	Sequence 1, Appl1	c 903	11	55.0	50	2	US-08-475-228A-533	Sequence 533, App
C 831	12	60.0	121049	3	US-09-949-016-17513	Sequence 17513, A	c 904	11	55.0	50	3	US-08-482-080A-533	Sequence 533, App
C 832	12	60.0	128516	3	US-09-949-016-13501	Sequence 13501, A	c 905	11	55.0	50	3	US-09-354-947-533	Sequence 533, App
C 833	12	60.0	130298	3	US-09-949-016-16664	Sequence 16664, A	c 906	11	55.0	50	3	US-09-993-346-533	Sequence 533, App
C 834	12	60.0	133157	3	US-09-949-016-12541	Sequence 12541, A	c 907	11	55.0	50	6	PCT-US93-12388-533	Sequence 533, App
C 835	12	60.0	133358	3	US-09-949-016-16964	Sequence 16964, A	c 908	11	55.0	55	3	US-09-081-180-15	Sequence 15, Appl1
C 836	12	60.0	133360	3	US-09-949-016-12651	Sequence 12651, A	c 909	11	55.0	55	3	US-09-040-963-71	Sequence 71, Appl1
C 837	12	60.0	134890	3	US-09-949-016-15602	Sequence 15602, A	c 910	11	55.0	66	2	US-08-790-963-95	Sequence 95, Appl1
C 838	12	60.0	139936	3	US-09-949-016-11782	Sequence 11782, A	c 911	11	55.0	66	2	US-08-790-963-95	Sequence 95, Appl1
C 839	12	60.0	139952	3	US-09-949-016-113280	Sequence 13280, A	c 912	11	55.0	66	2	US-09-371-774-71	Sequence 71, Appl1
C 840	12	60.0	145812	3	US-09-949-016-15698	Sequence 15698, A	c 913	11	55.0	66	3	US-09-371-774-71	Sequence 71, Appl1
C 841	12	60.0	148567	3	US-09-801-8768-3	Sequence 3, Appl1	c 914	11	55.0	66	3	US-09-875-082-71	Sequence 71, Appl1
C 842	12	60.0	148567	3	US-10-254-863-3	Sequence 3, Appl1	c 915	11	55.0	66	3	US-09-875-082-71	Sequence 71, Appl1
C 843	12	60.0	148567	3	US-10-254-863-3	Sequence 3, Appl1	c 916	11	55.0	67	3	US-09-256-703-5	Sequence 5, Appl1
C 844	12	60.0	172677	3	US-10-667-442-3	Sequence 13444, A	c 917	11	55.0	70	2	US-08-434-001-114	Sequence 114, App
C 845	12	60.0	172677	3	US-09-949-016-13444	Sequence 13444, A	c 918	11	55.0	70	2	US-08-433-585-114	Sequence 114, App
C 846	12	60.0	198632	3	US-09-949-016-12781	Sequence 12781, A	c 919	11	55.0	70	2	US-08-434-425-114	Sequence 114, App
C 847	12	60.0	198632	3	US-09-949-016-117393	Sequence 17393, A	c 920	11	55.0	70	2	US-08-437-667-114	Sequence 114, App
C 848	12	60.0	254964	3	US-09-949-016-12583	Sequence 12583, A	c 921	11	55.0	70	3	US-08-906-955-114	Sequence 114, App
C 849	12	60.0	254964	3	US-09-949-016-17392	Sequence 17392, A	c 922	11	55.0	70	3	US-08-945-909-114	Sequence 114, App
850	12	60.0	265038	3	US-09-949-016-15779	Sequence 15779, A	c 923	11	55.0	70	3	US-08-945-909-114	Sequence 114, App
851	12	60.0	321022	3	US-09-949-016-11852	Sequence 11852, A	c 924	11	55.0	70	3	US-09-396-002A-114	Sequence 114, App
852	12	60.0	321022	3	US-09-949-016-14166	Sequence 14166, A	c 925	11	55.0	70	3	US-10-077-319-114	Sequence 114, App
C 853	12	60.0	340380	3	US-09-949-016-11179	Sequence 14179, A	c 926	11	55.0	70	6	PCT-US96-06060-114	Sequence 114, App
C 854	12	60.0	450395	3	US-09-949-016-15473	Sequence 15473, A	c 927	11	55.0	77	2	US-08-596-100-3	Sequence 3, Appl1
855	12	60.0	462589	3	US-09-949-016-12900	Sequence 12900, A	c 928	11	55.0	99	2	US-08-208-886C-75	Sequence 75, Appl1
856	12	60.0	476044	3	US-09-949-016-12412	Sequence 12412, A	c 929	11	55.0	99	2	US-08-208-886C-76	Sequence 76, Appl1
C 857	12	60.0	536165	3	US-09-214-808-1	Sequence 1, Appl1	c 930	11	55.0	99	2	US-08-704-744-75	Sequence 75, Appl1
C 858	12	60.0	1230025	3	US-09-198-452A-1	Sequence 1, Appl1	c 931	11	55.0	99	2	US-08-704-744-76	Sequence 76, Appl1
C 859	12	60.0	1230230	3	US-09-438-185A-1	Sequence 2, Appl1	c 932	11	55.0	182	3	US-09-513-999C-30174	Sequence 30174, A
C 860	12	60.0	4403765	3	US-09-103-840A-2	Sequence 2, Appl1	c 933	11	55.0	183	3	US-09-513-999C-16307	Sequence 16307, A
861	12	60.0	4403765	3	US-09-103-840A-2	Sequence 2, Appl1	c 934	11	55.0	188	3	US-09-248-796A-7700	Sequence 7700, Ap
C 862	12	60.0	4411529	3	US-09-103-840A-1	Sequence 1, Appl1	c 935	11	55.0	194	2	US-09-513-999C-28098	Sequence 28098, A
C 863	11	55.0	11	3	US-09-103-840A-1	Sequence 1, Appl1	c 936	11	55.0	199	2	US-10-131-827-8683	Sequence 8683, Ap
C 864	11	55.0	11	3	US-09-034-205-17	Sequence 17, Appl1	c 937	11	55.0	201	3	US-08-073-807A-6	Sequence 6, Appl1
C 865	11	55.0	11	3	US-08-934-097A-17	Sequence 17, Appl1	c 938	11	55.0	208	3	US-09-248-796A-10180	Sequence 10180, A
C 866	11	55.0	11	3	US-08-851-588-17	Sequence 17, Appl1	c 939	11	55.0	213	3	US-09-423-233-1	Sequence 1, Appl1
C 867	11	55.0	11	3	US-09-677-218B-17	Sequence 17, Appl1	c 940	11	55.0	213	3	US-09-970-033-5	Sequence 5, Appl1
C 868	11	55.0	11	3	US-09-677-192-17	Sequence 17, Appl1	c 941	11	55.0	213	3	US-09-763-498-5	Sequence 5, Appl1
C 869	11	55.0	11	3	US-09-402-618B-17	Sequence 17, Appl1	c 942	11	55.0	257	3	US-09-248-796A-10852	Sequence 10852, A
C 870	11	55.0	11	3	US-09-825-574-17	Sequence 17, Appl1	c 943	11	55.0	270	3	US-09-513-999C-20944	Sequence 20944, A
871	11	55.0	11	3	US-09-676-768-17	Sequence 17, Appl1	c 944	11	55.0	270	3	US-09-621-976-2606	Sequence 2606, Ap
872	11	55.0	12	2	US-08-686-116A-36	Sequence 36, Appl1	c 945	11	55.0	275	3	US-09-313-294A-3799	Sequence 3799, Ap
873	11	55.0	12	2	US-08-685-484-36	Sequence 36, Appl1	c 946	11	55.0	297	3	US-09-313-294A-4337	Sequence 4337, Ap
874	11	55.0	12	2	US-08-847-108-36	Sequence 36, Appl1	c 947	11	55.0	307	3	US-09-313-294A-6950	Sequence 6950, Ap
875	11	55.0	12	2	US-08-686-113A-45	Sequence 45, Appl1	c 948	11	55.0	321	3	US-09-513-999C-8486	Sequence 8486, Ap
876	11	55.0	12	3	US-08-847-095A-36	Sequence 36, Appl1	c 949	11	55.0	324	3	US-09-513-999C-34583	Sequence 34583, A
877	11	55.0	12	3	US-08-686-114B-45	Sequence 45, Appl1	c 950	11	55.0	333	3	US-09-248-796A-7950	Sequence 7950, Ap
878	11	55.0	12	3	US-09-337-304-45	Sequence 45, Appl1	c 951	11	55.0	347	3	US-09-621-976-1499	Sequence 1499, Ap
879	11	55.0	14	2	US-09-230-088-36	Sequence 36, Appl1	c 952	11	55.0	362	3	US-09-621-976-12537	Sequence 12537, A
C 880	11	55.0	19	3	US-09-256-703-7	Sequence 7, Appl1	c 953	11	55.0	362	3	US-09-270-767-6686	Sequence 6686, Ap
C 881	11	55.0	21	3	US-09-586-546-36	Sequence 36, Appl1	c 954	11	55.0	365	3	US-09-270-767-21968	Sequence 21968, A
C 882	11	55.0	24	2	US-08-097-930A-1	Sequence 1, Appl1	c 955	11	55.0	379	3	US-09-423-233-5	Sequence 5, Appl1
883	11	55.0	25	3	US-09-396-196G-119614	Sequence 119614, A	c 956	11	55.0	396	2	US-08-503-584-6	Sequence 21972, A
884	11	55.0	25	3	US-09-396-196G-119615	Sequence 119615, A	c 957	11	55.0	398	3	US-09-513-999C-2003	Sequence 2003, Ap
885	11	55.0	25	3	US-09-396-196G-119626	Sequence 119626, A	c 958	11	55.0	399	3	US-09-270-767-381	Sequence 381, App
886	11	55.0	25	3	US-09-396-196G-123015	Sequence 123015, A	c 959	11	55.0	399	3	US-09-270-767-15663	Sequence 15663, A
887	11	55.0	25	3	US-09-396-196G-123016	Sequence 123016, A	c 960	11	55.0	409	3	US-09-270-767-7580	Sequence 7580, Ap
888	11	55.0	28	3	US-09-527-972-21	Sequence 21, Appl1	c 961	11	55.0	409	3	US-09-270-767-22862	Sequence 22862, A
C 889	11	55.0	30	2	US-07-918-318-8	Sequence 8, Appl1	c 962	11	55.0	420	3	US-09-107-433-1435	Sequence 1435, Ap
C 890	11	55.0	33	2	US-08-495-743-65	Sequence 65, Appl1	c 963	11	55.0	430	3	US-09-513-999C-11815	Sequence 11815, Ap
C 891	11	55.0	33	2	US-08-495-739-65	Sequence 65, Appl1	c 964	11	55.0	435	2	US-08-208-886C-79	Sequence 79, Appl1
C 892	11	55.0	33	2	US-08-495-741-65	Sequence 65, Appl1	c 965	11	55.0	435	2	US-08-704-744-79	Sequence 79, Appl1
C 893	11	55.0	33	3	US-08-062-023-65	Sequence 65, Appl1	c 966	11	55.0	436	3	US-09-621-976-18322	Sequence 18322, A
C 894	11	55.0	33	3	US-09-675-828A-65	Sequence 65, Appl1	c 967	11	55.0	441	3	US-09-252-991A-16047	Sequence 16047, A
895	11	55.0	46	2	US-08-790-963-74	Sequence 74, Appl1	c 968	11	55.0	448	3	US-09-270-767-11838	Sequence 11838, A
896	11	55.0	46	2	US-08-790-963-98	Sequence 98, Appl1	c 969	11	55.0	463	3	US-09-621-976-1626	Sequence 1626, Ap
897	11	55.0	46	2	US-09-371-774-74	Sequence 74, Appl1	c 970	11	55.0	463	3	US-10-125-258-45	Sequence 45, Appl1
898	11	55.0	46	3	US-09-371-774-98	Sequence 98, Appl1	c 971	11	55.0	477	3	US-09-970-033-7	Sequence 7, Appl1
899	11	55.0	46	3	US-09-875-082-74	Sequence 74, Appl1	c 972	11	55.0	477	3	US-09-970-033-12	Sequence 12, Appl1
900	11	55.0	46	3	US-09-875-082-98	Sequence 98, Appl1	c 973	11	55.0	477	3	US-09-763-498-7	Sequence 7, Appl1

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974 11 55.0 477 3 US-09-763-498-12 Sequence 12, Appl
c 975 11 55.0 486 3 US-09-621-976-2158 Sequence 2158, Ap
Sequence 1085, Ap
c 976 11 55.0 492 3 US-09-134-000C-1085 Sequence 1085, Ap
Sequence 1974, Ap
c 977 11 55.0 492 3 US-09-248-796A-1974 Sequence 1974, Ap
Sequence 186, Ap
c 978 11 55.0 499 3 US-09-513-999C-32068 Sequence 32068, A
Sequence 11, Appl
c 979 11 55.0 502 3 US-09-584-586-11 Sequence 10413, A
Sequence 17, Appl
c 980 11 55.0 505 3 US-09-621-976-10413 Sequence 10, Appl
Sequence 45, Appl
c 981 11 55.0 516 3 US-09-536-059-17 Sequence 9844, Ap
Sequence 1798, A
c 982 11 55.0 520 3 US-09-972-115A-10 Sequence 17916, A
Sequence 1259, Ap
c 983 11 55.0 526 3 US-09-228-986-45 Sequence 3990, Ap
Sequence 7207, Ap
c 984 11 55.0 529 3 US-10-101-464A-45 Sequence 22489, A
Sequence 51, Appl
c 985 11 55.0 539 3 US-09-533-559-1798 Sequence 36, Appl
Sequence 39, Appl
c 986 11 55.0 546 3 US-09-621-976-17916 Sequence 1, Appl
Sequence 3, Appl
c 987 11 55.0 549 4 US-09-605-703B-1259 Sequence 3, Appl
Sequence 3, Appl
c 988 11 55.0 557 3 US-09-533-559-3990 Sequence 39, Appl
Sequence 1, Appl
c 989 11 55.0 561 3 US-09-270-767-7207 Sequence 1, Appl
Sequence 3, Appl
c 990 11 55.0 561 3 US-09-270-767-7207 Sequence 3, Appl
Sequence 3, Appl
c 991 11 55.0 565 3 US-09-328-111-51 Sequence 3, Appl
Sequence 3, Appl
c 992 11 55.0 565 3 US-09-580-797-36 Sequence 3, Appl
Sequence 3, Appl
c 993 11 55.0 569 3 US-09-580-797-36 Sequence 3, Appl
Sequence 3, Appl
c 994 11 55.0 579 2 US-08-987-122-1 Sequence 3, Appl
Sequence 3, Appl
c 995 11 55.0 579 2 US-08-987-122-1 Sequence 3, Appl
Sequence 3, Appl
c 996 11 55.0 579 2 US-08-987-122-1 Sequence 3, Appl
Sequence 3, Appl
c 997 11 55.0 579 2 US-08-987-122-1 Sequence 3, Appl
Sequence 3, Appl
c 998 11 55.0 579 5 US-09-198-284-1 Sequence 3, Appl
Sequence 3, Appl
c 999 11 55.0 579 5 US-09-198-284-3 Sequence 3, Appl
Sequence 3, Appl
c1000 11 55.0 582 3 US-09-787-292-3 Sequence 3, Appl
Sequence 3, Appl
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ALIGNMENTS

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RESULT 1
US-09-493-353-13
; Sequence 13, Application US/09493353
; Patent No. 6638714
; GENERAL INFORMATION:
; APPLICANT: Johnson & Johnson
; APPLICANT: Linnen, J.M.
; APPLICANT: Gorman, K.M.
; TITLE OF INVENTION: OLIGONUCLEOTIDE PRIMERS FOR EFFICIENT
; TITLE OF INVENTION: DETECTION OF HEPATITIS C VIRUS (HCV) AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 2094/1E286-US1
; CURRENT APPLICATION NUMBER: US/09/493,353
; CURRENT FILING DATE: 2000-01-28
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 13
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-09-493-353-13
Query Match 100.0%; Score 20; DB 3; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.0035;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 TTCGCGACCCCAACTACTC 20
Db 2 TTCGCGACCCCAACTACTC 21
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RESULT 2
US-08-648-272-21/c
; Sequence 21, Application US/08648272
; Patent No. 6107028
; GENERAL INFORMATION:
; APPLICANT: Kay, Mark A.
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; APPLICANT: Lieber, Andre
; TITLE OF INVENTION: Ribozymes for Treating Hepatitis C
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/648,272
; FILING DATE: 15-MAY-1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/534,220
; FILING DATE: 11-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/476,257
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/357,508
; FILING DATE: 14-DEC-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-WR 2106
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-648-272-21
Query Match 100.0%; Score 20; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.0035;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 TTCGCGACCCCAACTACTC 20
Db 24 TTCGCGACCCCAACTACTC 5
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RESULT 3
US-09-494-332A-12
; Sequence 12, Application US/09494332A
; Patent No. 6623919
; GENERAL INFORMATION:
; APPLICANT: GORMAN, Kevin
; APPLICANT: PATTERSON, David
; APPLICANT: LINNEN, Jeffrey
; APPLICANT: SONG, Keming
; TITLE OF INVENTION: OLIGONUCLEOTIDE PRIMERS FOR EFFICIENT MULTIPLEX DETECTION OF HEPATITIS C VIRUS (HCV) AND HUMAN IMMUNODEFICIENCY VIRUS (HIV) AND METHODS OF DETECTION
; FILE REFERENCE: 2049/1E285-US1
; CURRENT APPLICATION NUMBER: US/09/494,332A
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/118,498
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 12
; LENGTH: 27
; TYPE: DNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-09-494-332A-12

Query Match      100.0%; Score 20; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.0035;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 4 TTTCGGACCCCACTACTC 23

RESULT 4
US-09-493-353-12
; Sequence 12, Application US/09493353
; Patent No. 6638714
; GENERAL INFORMATION:
; APPLICANT: Johnson & Johnson
; APPLICANT: Linnen, J.M.
; APPLICANT: Gorman, K.M.
; TITLE OF INVENTION: OLIGONUCLEOTIDE PRIMERS FOR EFFICIENT
; TITLE OF INVENTION: DETECTION OF HEPATITIS C VIRUS (HCV) AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 2094/1E286-US1
; CURRENT APPLICATION NUMBER: US/09/493,353
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: 60/118,497
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-09-493-353-12

Query Match      100.0%; Score 20; DB 3; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.0035;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 4 TTTCGGACCCCACTACTC 23

RESULT 5
US-08-438-639-50
; Sequence 50, Application US/08438639
; Patent No. 5712383
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Patrick
; APPLICANT: Chang, Chu-An
; APPLICANT: Running, Joyce
; APPLICANT: Urdea, Michael S.
; TITLE OF INVENTION: PROCESS FOR IMMOBILIZING NUCLEIC ACID
; TITLE OF INVENTION: PROBES ON POLYSTYRENE SURFACES
; NUMBER OF SEQUENCES: 70
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHIRON CORPORATION - R440
; STREET: P.O. Box 8097
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94662-8097
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/813,338A
; FILING DATE: 23-DEC-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Kenneth, M.
; REGISTRATION NUMBER: 34,174
; REFERENCE/DOCKET NUMBER: 0232.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2719
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/438,639
; FILING DATE: 10-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/813,338
; FILING DATE: 23-DEC-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Kenneth, M.
; REGISTRATION NUMBER: 34,174
; REFERENCE/DOCKET NUMBER: 0232.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2719
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-438-639-50

Query Match      100.0%; Score 20; DB 2; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.0034;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
Db 10 TTTCGGACCCCACTACTC 29

RESULT 6
US-07-813-338A-50
; Sequence 50, Application US/07813338A
; Patent No. 5747244
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Patrick
; APPLICANT: Chang, Chu-An
; APPLICANT: Running, Joyce
; APPLICANT: Urdea, Michael S.
; TITLE OF INVENTION: PROCESS FOR IMMOBILIZING NUCLEIC ACID
; TITLE OF INVENTION: PROBES ON POLYSTYRENE SURFACES
; NUMBER OF SEQUENCES: 70
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CHIRON CORPORATION - R440
; STREET: P.O. Box 8097
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94662-8097
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/813,338A
; FILING DATE: 23-DEC-1991
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Kenneth, M.
; REGISTRATION NUMBER: 34,174
; REFERENCE/DOCKET NUMBER: 0232.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-2719
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
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;
; TOPOLOGY: linear
US-07-813-338A-50

Query Match 100.0%; Score 20; DB 2; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.0034;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
Db 10 TTGCGACCCCAACTACTC 29

RESULT 7
US-08-470-124-60
; Sequence 60, Application US/08470124
; Patent No. 5849481
; GENERAL INFORMATION:
; APPLICANT: Urdea, Michael S.
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 125
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
US-08-441-971-126

Query Match 100.0%; Score 20; DB 2; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.0034;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
Db 10 TTGCGACCCCAACTACTC 29

RESULT 9
US-08-221-653-126
; Sequence 126, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
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;; OPERATING SYSTEM: MS-DOS Version 3.3  
;; SOFTWARE: WordPerfect 5.1  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/221,653  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION NUMBER: US/07/881,528  
;; FILING DATE:  
;; APPLICATION NUMBER: 07/697,326  
;; FILING DATE: 8 May 1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Janiuk, Anthony J.  
;; REGISTRATION NUMBER: 29,809  
;; REFERENCES/DOCKET NUMBER: C0772/7000  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 720-3500  
;; TELEFAX: (617) 720-2441  
;; TELEX: EZEKIEL  
;; INFORMATION FOR SEQ ID NO: 126:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 33 nucleotides  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
US-08-221-653-126

Query Match 100.0%; Score 20; DB 3; Length 33;  
Best Local Similarity 100.0%; Pred. No. 0.0034;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCAACTACTC 20  
|||||  
DB 10 TTTCGGACCCAACTACTC 29

RESULT 10  
US-08-442-144A-126  
;; Sequence 126, Application US/08442144A  
;; Patent No. 6214583  
;; GENERAL INFORMATION:  
;; APPLICANT: Tai-An Cha  
;; APPLICANT: Eileen Beall  
;; APPLICANT: Bruce Irvine  
;; APPLICANT: Janice Kolberg  
;; APPLICANT: Michael S. Urdea  
;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
;; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
;; NUMBER OF SEQUENCES: 148  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESS: Chiron Corporation  
;; STREET: 4560 Horton Street  
;; CITY: Emeryville  
;; STATE: California  
;; COUNTRY: USA  
;; ZIP: 94608-2916  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 3.5 Inch  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: Windows NT  
;; SOFTWARE: Microsoft Word 97  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/442,144A  
;; FILING DATE: MAY 16, 1995  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/221,653  
;; FILING DATE: APRIL 1, 1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Doreen Yanko Trujillo  
;; REGISTRATION NUMBER: 35,719  
;; REFERENCE/DOCKET NUMBER: CHIR-0121

;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 215-568-3100  
;; TELEFAX: 215-568-3439  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 126:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 33 Nucleotides  
;; TYPE: Nucleic Acid  
;; STRANDEDNESS: Single  
;; TOPOLOGY: Linear  
;; MOLECULE TYPE: DNA  
US-08-442-144A-126

Query Match 100.0%; Score 20; DB 3; Length 33;  
Best Local Similarity 100.0%; Pred. No. 0.0034;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCAACTACTC 20  
|||||  
DB 10 TTTCGGACCCAACTACTC 29

RESULT 11  
US-08-441-970-126  
;; Sequence 126, Application US/08441970  
;; Patent No. 6297370  
;; GENERAL INFORMATION:  
;; APPLICANT: Tai-An Cha  
;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
;; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
;; NUMBER OF SEQUENCES: 147  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESS: Wolf, Greenfield & Sacks, P.C.  
;; CITY: Boston  
;; STATE: Massachusetts  
;; COUNTRY: USA  
;; ZIP: 02210

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 5.25 inch  
;; COMPUTER: IBM compatible  
;; OPERATING SYSTEM: MS-DOS Version 3.3  
;; SOFTWARE: WordPerfect 5.1  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/441,970  
;; FILING DATE: 16-MAY-1995  
;; CLASSIFICATION: 536  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 07/881,528  
;; FILING DATE: 08-MAY-1992  
;; APPLICATION NUMBER: 07/697,326  
;; FILING DATE: 8 May 1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Janiuk, Anthony J.  
;; REGISTRATION NUMBER: 29,809  
;; REFERENCE/DOCKET NUMBER: C0772/7000  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 720-3500  
;; TELEFAX: (617) 720-2441  
;; TELEX: EZEKIEL  
;; INFORMATION FOR SEQ ID NO: 126:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 33 nucleotides  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
US-08-441-970-126

Query Match 100.0%; Score 20; DB 3; Length 33;  
Best Local Similarity 100.0%; Pred. No. 0.0034;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



Qy 1 TTTCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | |  
Db 10 TTTCGGACCCCAACTACTC 29

## RESULT 12

US-09-358-972-181/c  
; Sequence 181, Application US/09358972  
; Patent No. 6235480  
; GENERAL INFORMATION:  
; APPLICANT: Shultz, John W  
; APPLICANT: Lewis, Martin K.  
; APPLICANT: Lieppe, Donna  
; APPLICANT: Mandrekar, Michelle  
; APPLICANT: Kephart, Daniel  
; APPLICANT: Rhodes, Richard B.  
; APPLICANT: Andrews, Christine A.  
; APPLICANT: Hartnett, James R.  
; APPLICANT: Olson, Ryan J.  
; APPLICANT: Gu, Trent  
; APPLICANT: Wood, Keith W.  
; APPLICANT: Welch, Roy

; TITLE OF INVENTION: Nucleic Acid Detection  
; FILE REFERENCE: Pro-103 6868/75528  
; CURRENT APPLICATION NUMBER: US/09/358,972  
; CURRENT FILING DATE: 1999-07-22  
; EARLIER APPLICATION NUMBER: 09/252,436  
; EARLIER FILING DATE: 1999-02-18  
; EARLIER APPLICATION NUMBER: 09/042,287  
; EARLIER FILING DATE: 1998-03-13  
; NUMBER OF SEQ ID NOS: 290  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 181  
; LENGTH: 40

; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; OTHER INFORMATION: probe for Hepatitis C

US-09-358-972-181

Query Match 100.0%; Score 20; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.0034;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | |  
Db 29 TTTCGGACCCCAACTACTC 10

## RESULT 13

US-09-406-147-43/c  
; Sequence 43, Application US/09406147  
; Patent No. 6270974  
; GENERAL INFORMATION:  
; APPLICANT: Shultz, John W  
; APPLICANT: Lewis, Martin K.  
; APPLICANT: Lieppe, Donna  
; APPLICANT: Mandrekar, Michelle  
; APPLICANT: Kephart, Daniel  
; APPLICANT: Rhodes, Richard B.  
; APPLICANT: Andrews, Christine A.  
; APPLICANT: Hartnett, James R.  
; APPLICANT: Gu, Trent  
; APPLICANT: Wood, Keith W.  
; APPLICANT: Welch, Roy

; TITLE OF INVENTION: EXOGENOUS NUCLEIC ACID DETECTION  
; FILE REFERENCE: EXOGENOUS NUCLEIC ACID DETECTION  
; CURRENT APPLICATION NUMBER: US/09/406,147  
; CURRENT FILING DATE: 1999-09-27  
; EARLIER APPLICATION NUMBER: 09/252,436  
; EARLIER FILING DATE: 1999-02-18  
; EARLIER APPLICATION NUMBER: 09/042,287  
; EARLIER FILING DATE: 1998-03-13

; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 43  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-406-147-43

Query Match 100.0%; Score 20; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.0034;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | |  
Db 29 TTTCGGACCCCAACTACTC 10

## RESULT 14

US-09-790-417-181/c  
; Sequence 181, Application US/09790417  
; Patent No. 6730479  
; GENERAL INFORMATION:  
; APPLICANT: Shultz, John W  
; APPLICANT: Lewis, Martin K.  
; APPLICANT: Lieppe, Donna  
; APPLICANT: Mandrekar, Michelle  
; APPLICANT: Kephart, Daniel  
; APPLICANT: Rhodes, Richard B.  
; APPLICANT: Andrews, Christine A.  
; APPLICANT: Hartnett, James R.  
; APPLICANT: Gu, Trent  
; APPLICANT: Olson, Ryan J.  
; APPLICANT: Wood, Keith W.  
; APPLICANT: Welch, Roy

; TITLE OF INVENTION: Nucleic Acid Detection  
; FILE REFERENCE: Pro-103 6868/75528  
; CURRENT APPLICATION NUMBER: US/09/790,417  
; CURRENT FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: 09/358,972  
; PRIOR FILING DATE: 1999-07-21  
; PRIOR APPLICATION NUMBER: 09/042,287  
; PRIOR FILING DATE: 1998-03-13  
; NUMBER OF SEQ ID NOS: 290  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 181  
; LENGTH: 40

; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; OTHER INFORMATION: probe for Hepatitis C

US-09-790-417-181

Query Match 100.0%; Score 20; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.0034;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | |  
Db 29 TTTCGGACCCCAACTACTC 10

## RESULT 15

US-08-429-181-10  
; Sequence 10, Application US/08429181  
; Patent No. 5635352  
; GENERAL INFORMATION:  
; APPLICANT: URDEA, MICHAEL S.  
; APPLICANT: FULTZ, TIMOTHY  
; APPLICANT: WARNER, BRIAN D.  
; APPLICANT: COLLINS, MARK  
; TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH  
; ASSAYS HAVING REDUCED BACKGROUND NOISE  
; NUMBER OF SEQUENCES: 61

```
/
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY
/ ADDRESS: R440
/ STREET: 4560 HORTON STREET
/ CITY: EMERYVILLE
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 94608-2916
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30B
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/429,181
/ FILING DATE: 26-APR-1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/164,388
/ FILING DATE: 08-DEC-1993
/ ATTORNEY/AGENT INFORMATION:
/ NAME: GOLDMAN, KENNETH M.
/ REGISTRATION NUMBER: 34,174
/ REFERENCE/DOCKET NUMBER: 0300.001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 601-2719
/ TELEFAX: (510) 655-3542
/ TELEX: N/A
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 46 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ US-08-429-181-10

Query Match 100.0%; Score 20; DB 2; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.0034;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20
Db 10 TTCCGGACCCCAACTACTC 29

RESULT 16
US-08-164-388-10
/ Sequence 10, Application US/08164388
/ Patent No. 5681697
/ GENERAL INFORMATION:
/ APPLICANT: URDEA, MICHAEL S.
/ APPLICANT: FULTZ, TIMOTHY
/ APPLICANT: WARNER, BRIAN D.
/ APPLICANT: COLLINS, MARK
/ TITLE OF INVENTION: SOLUTION PHASE NUCLEIC ACID SANDWICH
/ TITLE OF INVENTION: ASSAYS HAVING REDUCED BACKGROUND NOISE
/ NUMBER OF SEQUENCES: 61
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: CHIRON CORPORATION - INTELLECTUAL PROPERTY
/ ADDRESS: R440
/ STREET: 4560 HORTON STREET
/ CITY: EMERYVILLE
/ STATE: CALIFORNIA
/ COUNTRY: USA
/ ZIP: 94608-2916
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30B
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/164,388
```

```
/
/ FILING DATE: 08-DEC-1993
/ CLASSIFICATION: 436
/ ATTORNEY/AGENT INFORMATION:
/ NAME: GOLDMAN, KENNETH M.
/ REGISTRATION NUMBER: 34,174
/ REFERENCE/DOCKET NUMBER: 0300.001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (510) 601-2719
/ TELEFAX: (510) 655-3542
/ TELEX: N/A
/ INFORMATION FOR SEQ ID NO: 10:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 46 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ US-08-164-388-10

Query Match 100.0%; Score 20; DB 2; Length 46;
Best Local Similarity 100.0%; Pred. No. 0.0034;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20
Db 10 TTCCGGACCCCAACTACTC 29

RESULT 17
US-08-690-495-31
/ Sequence 31, Application US/08690495
/ Patent No. 5876924
/ GENERAL INFORMATION:
/ APPLICANT: Zhang, David Y., Brandwein, Margaret
/ TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
/ TITLE OF INVENTION: HYBRIDIZATION SIGNAL AMPLIFICATION METHOD (HSAM)
/ NUMBER OF SEQUENCES: 42
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
/ STREET: 30 Rockefeller Plaza
/ CITY: New York
/ STATE: NY
/ COUNTRY: USA
/ ZIP: 10112-0228
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Fasteq Version #1.5
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/690,495
/ FILING DATE:
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacLeod, Janet M.
/ REGISTRATION NUMBER: 35,263
/ REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-A
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 212-408-2597
/ TELEFAX: 212-765-2519
/ INFORMATION FOR SEQ ID NO: 31:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 108 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ FEATURE:
/ NAME/KEY: misc feature
/ LOCATION: 1..108
/ US-08-690-495-31

Query Match 100.0%; Score 20; DB 2; Length 108;
```

Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 4 TTCGCGACCCCAACTACTC 23

## RESULT 18

US-08-690-494-31  
; Sequence 31, Application US/08690494  
; Patent No. 5942391  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, David Y., Brandwein, Margaret  
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:  
; TITLE OF INVENTION: HYBRIDIZATION SIGNAL AMPLIFICATION METHOD (HSAM)  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10112-0228  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: FasSEQ Version #1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/690,494  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacLeod, Janet M.  
; REGISTRATION NUMBER: 35,263  
; REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-B  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-408-2597  
; TELEFAX: 212-765-2519  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 108 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..108  
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:

US-08-690-494-31

Query Match 100.0%; Score 20; DB 2; Length 108;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 4 TTCGCGACCCCAACTACTC 23

## RESULT 19

US-09-299-217-31  
; Sequence 31, Application US/09299217  
; Patent No. 6569647  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, David Y., Brandwein, Margaret  
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:  
; TITLE OF INVENTION: HYBRIDIZATION SIGNAL AMPLIFICATION METHOD (HSAM)  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond  
; STREET: 30 Rockefeller Plaza

; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10112-0228  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: FasSEQ Version #1.5  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/299,217  
; FILING DATE: 23-Apr-1999  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/690,494  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacLeod, Janet M.  
; REGISTRATION NUMBER: 35,263  
; REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-B  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-408-2597  
; TELEFAX: 212-765-2519  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 108 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..108  
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:

US-09-299-217-31

Query Match 100.0%; Score 20; DB 3; Length 108;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 4 TTCGCGACCCCAACTACTC 23

## RESULT 20

US-09-728-265-31  
; Sequence 31, Application US/09728265  
; Patent No. 6593086  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, David Y.  
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:  
; TITLE OF INVENTION: RAMIFICATION-EXTENSION AMPLIFICATION METHOD (RAM)  
; NUMBER OF SEQUENCES: 42  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Stroock & Stroock & Lavan  
; STREET: 180 Maiden Lane  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10038  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PCDOS/MSDOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/728,265  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pokotilow, Steven B  
; REGISTRATION NUMBER: 26,405

```
; REFERENCE/DOCKET NUMBER: Old 29545APCT/USA-B // New 251305/0018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212806-6663
; TELEFAX: 2128066006
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic).
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..108
US-09-728-265-31

Query Match 100.0%; Score 20; DB 3; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20
Db 4 TTCCGGACCCCAACTACTC 23

RESULT 21
US-10-309-438-31
; Sequence 31, Application US/10309438
; Patent No. 6855523
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; APPLICANT: Brandwein, Maraget
; APPLICANT: Hsu, Terence C.H.
; TITLE OF INVENTION: Nucleic Acid Amplification Method: Ramification-extension
; FILE REFERENCE: 251305/0031
; CURRENT APPLICATION NUMBER: US/10/309,438
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: US 09/299,217
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: US 08/690,494
; PRIOR FILING DATE: 1996-07-31
; PRIOR APPLICATION NUMBER: US 08/596,331
; PRIOR FILING DATE: 1996-05-20
; PRIOR APPLICATION NUMBER: PCT/US95/07671
; PRIOR FILING DATE: 1995-06-14
; PRIOR APPLICATION NUMBER: 08/263,937
; PRIOR FILING DATE: 1994-06-22
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 108
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-10-309-438-31

Query Match 100.0%; Score 20; DB 3; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20
Db 4 TTCCGGACCCCAACTACTC 23

RESULT 22
PCT-US95-07671-31
; Sequence 31, Application PC/TUS9507671
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; TITLE OF INVENTION: LIGATION-DEPENDENT AMPLIFICATION FOR THE
```

```
; TITLE OF INVENTION: DETECTION OF INFECTIOUS PATHOGENS AND ABNORMAL GENES
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07671
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Seide, Rochelle K.
; REGISTRATION NUMBER: 32,300
; REFERENCE/DOCKET NUMBER: 29545-A-PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-408-2626
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..108
PCT-US95-07671-31

Query Match 100.0%; Score 20; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20
Db 4 TTCCGGACCCCAACTACTC 23

RESULT 23
US-09-798-641-31
; Sequence 31, Application US/09798641
; Patent No. RE38442
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y., Brandwein, Margaret
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brumbaugh, Graves, Donohue & Raymond
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10112-0228
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: FasSEQ Version #1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/798,641
; FILING DATE: 02-Mar-2001
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US/08/690,495
```

```
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacLeod, Janet M.
; REGISTRATION NUMBER: 35,263
; REFERENCE/DOCKET NUMBER: 29545-A-PCT/USA-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-408-2597
; TELEFAX: 212-765-2519
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..108
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-798-641-31
```

```
Query Match 100.0%; Score 20; DB 8; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 TTGCGACCCCAACTACTC 20
Db 4 TTGCGACCCCAACTACTC 23
```

```
RESULT 24
US-09-899-082B-102/c
; Sequence 102, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 102
; LENGTH: 190
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-102
```

```
Query Match 100.0%; Score 20; DB 3; Length 190;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Oy 1 TTGCGACCCCAACTACTC 20
Db 179 TTGCGACCCCAACTACTC 160
```

```
RESULT 25
US-08-244-116B-12/c
; Sequence 12, Application US/08244116B
; Patent No. 5763159
```

```
; GENERAL INFORMATION:
; APPLICANT: Simmonds, Peter
; APPLICANT: Chan, Shiu-Wan
; APPLICANT: Yap, Peng L.
; TITLE OF INVENTION: Hepatitis-C Virus Testing
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.
; STREET: 1211 East Morehead Street
; CITY: Charlotte
; STATE: No. 5763159th Carolina
; COUNTRY: United States
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0. Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/244,116B
; FILING DATE: 15-JUL-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/GB92/02143
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 1749-125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 704-377-1561
; TELEFAX: 704-334-2014
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Hepatitis-C virus
US-08-244-116B-12
```

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Query Match 100.0%; Score 20; DB 2; Length 194;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Oy 1 TTGCGACCCCAACTACTC 20
Db 189 TTGCGACCCCAACTACTC 170
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RESULT 26
US-09-899-082B-103/c
; Sequence 103, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
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;; PRIOR FILING DATE: 1992-11-27  
;; PRIOR APPLICATION NUMBER: EP93402129  
;; PRIOR FILING DATE: 1993-08-31  
;; NUMBER OF SEQ ID NOS: 128  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 103  
;; LENGTH: 227  
;; TYPE: DNA  
;; ORGANISM: hepatitis C virus  
US-09-899-082B-103

Query Match 100.0%; Score 20; DB 3; Length 227;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
Db 216 TTTCGGACCCCAACTACTC 197

RESULT 27  
US-09-034-205-37/c  
; Sequence 37, Application US/09034205  
; Patent No. 6194149  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/034,205  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-03268  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"

US-09-034-205-37  
Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTTCGGACCCCAACTACTC 20  
Db 199 TTTCGGACCCCAACTACTC 180

Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
Db 199 TTTCGGACCCCAACTACTC 180

RESULT 28  
US-08-934-097A-37/c  
; Sequence 37, Application US/08934097A  
; Patent No. 6210880  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing With Structure-Bridging  
; TITLE OF INVENTION: Oligonucleotides.  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/934,097A  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-02980  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"

US-08-934-097A-37  
Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTTCGGACCCCAACTACTC 20  
Db 199 TTTCGGACCCCAACTACTC 180

Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
Db 199 TTTCGGACCCCAACTACTC 180

RESULT 29  
US-08-851-588-37/c  
; Sequence 37, Application US/08851588  
; Patent No. 6214545  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Prudent, James R.  
; APPLICANT: Dahlberg, James E.  
; APPLICANT: Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing  
; NUMBER OF SEQUENCES: 38  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco

STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-37

Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||||  
Db 199 TTTCGGACCCCACTACTC 180

RESULT 30  
US-09-677-218B-37/c  
Sequence 37, Application US/09677218B  
Patent No. 6355437  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
Fors, Mary Ann D.  
Neri, Bruce P.  
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/677,218B  
FILING DATE: 02-Oct-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/034,205  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-03268

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 37:  
US-09-677-218B-37

Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||||  
Db 199 TTTCGGACCCCACTACTC 180

RESULT 31  
US-09-677-192-37/c  
Sequence 37, Application US/09677192  
Patent No. 6358691  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
Brow, Mary Ann D.  
Fors, Lance  
Neri, Bruce P.  
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
FILE REFERENCE: FORS-04708  
CURRENT APPLICATION NUMBER: US/09/677,192  
CURRENT FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 09/034,205  
PRIOR FILING DATE: 1998-03-03  
NUMBER OF SEQ ID NOS: 68  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 37  
LENGTH: 232  
TYPE: DNA  
ORGANISM: Hepatitis C virus  
US-09-677-192-37

Query Match 100.0%; Score 20; DB 3; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||||  
Db 199 TTTCGGACCCCACTACTC 180

RESULT 32  
US-09-402-618B-37/c  
Sequence 37, Application US/09402618B  
Patent No. 6709815  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor  
Dong, Fang  
APPLICANT: Prudent, James  
APPLICANT: Fors, Lance  
APPLICANT: Neri, Bruce  
APPLICANT: Brow, Mary Ann  
APPLICANT: Anderson, Todd  
APPLICANT: Dahlberg, James  
TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
FILE REFERENCE: FORS-04012  
CURRENT APPLICATION NUMBER: US/09/402,618B  
CURRENT FILING DATE: 2000-07-18



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Qy 1 TTGCGACCCCAACTACTC 20
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Db 199 TTGCGACCCCAACTACTC 180

RESULT 34
US-09-676-768-37/c
; Sequence 37, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;               Lyamichiev, Victor I.
;               Prudent, James R.
;               Dahlberg, James E.
;               Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;               Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30.
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-676-768-37

Query Match 100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0

Qy 1 TTGCGACCCCAACTACTC 20
   ||||||||||||||||
Db 199 TTGCGACCCCAACTACTC 180

RESULT 35
US-09-034-205-32/c
; Sequence 32, Application US/09034205
; Patent No. 619419
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.

```

;; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
;; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
;; NUMBER OF SEQUENCES: 68  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: MEDLEN & CARROLL, LLP  
;; STREET: 220 Montgomery Street, Suite 2200  
;; CITY: San Francisco  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94104  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/034,205  
;; FILING DATE:  
;; CLASSIFICATION:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: MacKnight, Kamrin T.  
;; REGISTRATION NUMBER: 38,230  
;; REFERENCE/DOCKET NUMBER: FORS-03268  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 705-8410  
;; TELEFAX: (415) 397-8338  
;; INFORMATION FOR SEQ ID NO: 32:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 239 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: other nucleic acid  
;; DESCRIPTION: /desc = "DNA"  
US-09-034-205-32

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 206 TTCGCGACCCCAACTACTC 187

RESULT 16  
US-09-034-205-36/c  
;; Sequence 36, Application US/09034205  
;; Patent No. 6194149  
;; GENERAL INFORMATION:  
;; APPLICANT: Lyamichev, Victor I.  
;; APPLICANT: Brow, Mary Ann D.  
;; APPLICANT: Fors, Lance  
;; APPLICANT: Neri, Bruce P.  
;; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
;; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
;; NUMBER OF SEQUENCES: 68  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: MEDLEN & CARROLL, LLP  
;; STREET: 220 Montgomery Street, Suite 2200  
;; CITY: San Francisco  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94104  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/034,205  
;; FILING DATE:  
;; CLASSIFICATION:

;; ATTORNEY/AGENT INFORMATION:  
;; NAME: MacKnight, Kamrin T.  
;; REGISTRATION NUMBER: 38,230  
;; REFERENCE/DOCKET NUMBER: FORS-03268  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 705-8410  
;; TELEFAX: (415) 397-8338  
;; INFORMATION FOR SEQ ID NO: 36:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 239 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: other nucleic acid  
;; DESCRIPTION: /desc = "DNA"  
US-09-034-205-36

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 206 TTCGCGACCCCAACTACTC 187

RESULT 17  
US-08-934-097A-32/c  
;; Sequence 32, Application US/08934097A  
;; Patent No. 6210880  
;; GENERAL INFORMATION:  
;; APPLICANT: Lyamichev, Victor I.  
;; APPLICANT: Brow, Mary Ann D.  
;; APPLICANT: Fors, Lance  
;; APPLICANT: Neri, Bruce P.  
;; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
;; TITLE OF INVENTION: Structure Probing With Structure-Bridging  
;; TITLE OF INVENTION: Oligonucleotides.  
;; NUMBER OF SEQUENCES: 51  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: MEDLEN & CARROLL, LLP  
;; STREET: 220 Montgomery Street, Suite 2200  
;; CITY: San Francisco  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94104  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/934,097A  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: MacKnight, Kamrin T.  
;; REGISTRATION NUMBER: 38,230  
;; REFERENCE/DOCKET NUMBER: FORS-02980  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 705-8410  
;; TELEFAX: (415) 397-8338  
;; INFORMATION FOR SEQ ID NO: 32:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 239 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: other nucleic acid  
;; DESCRIPTION: /desc = "DNA"  
US-08-934-097A-32

Query Match 100.0%; Score 20; DB 3; Length 239;

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Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 206 TTCCGACCCCAACTACTC 187

RESULT 38
US-08-934-097A-36/c
; Sequence 36, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-934-097A-36

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 206 TTCCGACCCCAACTACTC 187

RESULT 39
US-08-851-588-32/c
; Sequence 32, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 206 TTCCGACCCCAACTACTC 187

RESULT 40
US-08-851-588-36/c
; Sequence 36, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 206 TTCCGACCCCAACTACTC 187

RESULT 41
US-08-851-588-32/c
; Sequence 32, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
```

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;
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-027777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
;
US-08-851-588-36
Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
| | | | | | | | | | | | | | | | | | | | |
Db 206 TTGCGACCCCAACTACTC 187

RESULT 41
US-09-677-218B-32/c
; Sequence 32, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Neri, Bruce P.
; Fors, Lance
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
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;
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-677-218B-32
Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
| | | | | | | | | | | | | | | | | | | | |
Db 206 TTGCGACCCCAACTACTC 187

RESULT 42
US-09-677-218B-36/c
; Sequence 36, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; Brow, Mary Ann D.
; Neri, Bruce P.
; Fors, Lance
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-677-218B-36
Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
| | | | | | | | | | | | | | | | | | | | |
Db 206 TTGCGACCCCAACTACTC 187

RESULT 43
US-09-677-192-32/c
; Sequence 32, Application US/09677192
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; Patent No. 6358691  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; CURRENT FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 32  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-32

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 206 TTCGCGACCCCAACTACTC 187

RESULT 44  
US-09-677-192-36/c  
; Sequence 36, Application US/09677192  
; Patent No. 6358691  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; CURRENT FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 36  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-36

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 206 TTCGCGACCCCAACTACTC 187

RESULT 45  
US-09-402-618B-32/c  
; Sequence 32, Application US/09402618B  
; Patent No. 6709815  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid Structure Probing With Structure-Bridging

; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleot  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/09/402,618B  
; CURRENT FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 32  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-402-618B-32

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 206 TTCGCGACCCCAACTACTC 187

RESULT 46  
US-09-402-618B-36/c  
; Sequence 36, Application US/09402618B  
; Patent No. 6709815  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleot  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/09/402,618B  
; CURRENT FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 36  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-402-618B-36

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 206 TTCGCGACCCCAACTACTC 187

RESULT 47  
US-09-825-574-32/c  
; Sequence 32, Application US/09825574  
; Patent No. 6709819  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid Structure Probing With Structure-Bridging

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;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLSCULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
;
US-09-825-574-36

Query Match 100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACACTACTC 20
DB 206 TTGCGACCCCAACACTACTC 187
|||||
|||||

RESULT 49
US-09-676-768-32/c
; Sequence 32, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; Lyamichev, Victor I.
; Prudent, James R.
; Dahlberg, James E.
; Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338

```

```
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 239 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-676-768-32

Query Match      100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCACTACTC 20
DB      206 TTTCGGACCCCACTACTC 187

RESULT 50
US-09-676-768-36/c
; Sequence 36, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;               Lyamichev, Victor I.
;               Prudent, James R.
;               Dahlberg, James E.
;               Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 239 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-676-768-36

Query Match      100.0%; Score 20; DB 3; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 TTTCGGACCCCACTACTC 20
DB      206 TTTCGGACCCCACTACTC 187

RESULT 51
US-09-034-205-33/c
; Sequence 33, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;               STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 240 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-09-034-205-33

Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCACTACTC 20
DB      207 TTTCGGACCCCACTACTC 188

RESULT 52
US-09-034-205-35/c
; Sequence 35, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;               STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
```



```
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-35

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
| | | | | | | | | | | | | | | | | | | | | |
Db 207 TTTCGGACCCCACTACTC 188

RESULT 53
US-09-034-205-38/c
; Sequence 38, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESS: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-38

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
| | | | | | | | | | | | | | | | | | | | | |
Db 208 TTTCGGACCCCACTACTC 189

RESULT 54
US-08-934-097A-33/c
; Sequence 33, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-08-934-097A-33

Query Match 100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20
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Db      207 TTCCGGACCAACTACTC 188
|||||
RESULT 55
US-08-934-097A-35/c
; Sequence 35, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 397-8338
; TELEFAX: (415) 705-8410
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 397-8338
; TELEFAX: (415) 705-8410
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-934-097A-35
Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGGACCAACTACTC 20
|||||
Db      207 TTCCGGACCAACTACTC 188
|||||
RESULT 56
US-08-934-097A-38/c
; Sequence 38, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing With Structure-Bridging
; TITLE OF INVENTION: Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; US-08-851-588-33/c
Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGGACCAACTACTC 20
|||||
Db      208 TTCCGGACCAACTACTC 189
|||||
RESULT 57
US-08-851-588-33/c
; Sequence 33, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; US-08-934-097A-38
Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGGACCAACTACTC 20
|||||
Db      208 TTCCGGACCAACTACTC 189
|||||
RESULT 57
US-08-851-588-33/c
; Sequence 33, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
```

REFERENCE/DOCKET NUMBER: FORS-02777  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-33

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGACCCCAACTACTC 20  
|||||  
Db 207 TTTCGACCCCAACTACTC 188

RESULT 58  
US-08-851-588-35/c  
Sequence 35, Application US/08851588  
Patent No. 6214545  
GENERAL INFORMATION:  
APPLICANT: Dong, Fang  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Prudent, James R.  
APPLICANT: Dahlberg, James E.  
APPLICANT: Fors, Lance  
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
TITLE OF INVENTION: Structure Probing  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 397-8338  
TELEFAX: (415) 705-8410  
INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-35

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGACCCCAACTACTC 20  
|||||  
Db 207 TTTCGACCCCAACTACTC 188

RESULT 59  
US-08-851-588-38/c  
Sequence 38, Application US/08851588  
Patent No. 6214545  
GENERAL INFORMATION:  
APPLICANT: Dong, Fang  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Prudent, James R.  
APPLICANT: Dahlberg, James E.  
APPLICANT: Fors, Lance  
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
TITLE OF INVENTION: Structure Probing  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 397-8338  
TELEFAX: (415) 705-8410  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-38

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGACCCCAACTACTC 20  
|||||  
Db 208 TTTCGACCCCAACTACTC 189

RESULT 60  
US-08-677-218B-33/c  
Sequence 33, Application US/09677218B  
Patent No. 6355437  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Brow, Mary Ann D.  
APPLICANT: Fors, Lance  
APPLICANT: Neri, Bruce P.  
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:



; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:

US-09-677-218B-38

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 208 TTCGCGACCCCAACTACTC 189

## RESULT 63

US-09-677-192-33/c  
; Sequence 33, Application US/09677192  
; Patent No. 6358691

## GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; CURRENT FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-33

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 207 TTCGCGACCCCAACTACTC 188

## RESULT 64

US-09-677-192-35/c  
; Sequence 35, Application US/09677192  
; Patent No. 6358691

## GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; CURRENT FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 35  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-35

Query Match 100.0%; Score 20; DB 3; Length 240;

Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 207 TTCGCGACCCCAACTACTC 188

## RESULT 65

US-09-677-192-38/c  
; Sequence 38, Application US/09677192  
; Patent No. 6358691

## GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; CURRENT FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 38  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-38

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 208 TTCGCGACCCCAACTACTC 189

## RESULT 66

US-09-402-618B-33/c  
; Sequence 33, Application US/09402618B  
; Patent No. 6709815

## GENERAL INFORMATION:

; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleot  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/09/402,618B  
; CURRENT FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-402-618B-33

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20

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Db      207 TTTCGGACCCCAACTACTC 188
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RESULT 67
US-09-402-618B-35/c
; Sequence 35, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 35
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-35
Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
|||||

Db      207 TTTCGGACCCCAACTACTC 188
|||||
RESULT 68
US-09-402-618B-38/c
; Sequence 38, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-38
Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
|||||

Db      207 TTTCGGACCCCAACTACTC 188
|||||
RESULT 69
US-09-825-574-33/c
; Sequence 33, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid Structure Probing With Structure-Bridging Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-825-574-33
Query Match      100.0%; Score 20; DB 3; Length 240;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
|||||

Db      207 TTTCGGACCCCAACTACTC 188
|||||
RESULT 70
US-09-825-574-35/c
; Sequence 35, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid Structure Probing With Structure-Bridging
```





;  
; INFORMATION FOR SEQ ID NO: 33:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 240 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:  
US-09-676-768-33

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
DB 207 TTTCGGACCCCAACTACTC 188

RESULT 73  
US-09-676-768-35/c  
; Sequence 35, Application US/09676768  
; Patent No. 6780585  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; Lyamichev, Victor I.  
; Prudent, James R.  
; Dahlberg, James E.  
; Fors, Lance

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
STRUCTURE PROBING

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/676,768  
FILING DATE: 02-Oct-2000  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/851,588  
FILING DATE: 05-May-1997  
ATTORNEY/AGENT INFORMATION:

NAME: Ingolia, Diane E.

REFERENCE/DOCKET NUMBER: FORS-02777

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 35:

SEQUENCE CHARACTERISTICS:

LENGTH: 240 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 35:

US-09-676-768-35

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
DB 207 TTTCGGACCCCAACTACTC 188

RESULT 74

US-09-676-768-38/c

; Sequence 38, Application US/09676768  
; Patent No. 6780585  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; Lyamichev, Victor I.  
; Prudent, James R.  
; Dahlberg, James E.  
; Fors, Lance

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
STRUCTURE PROBING

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/676,768  
FILING DATE: 02-Oct-2000  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/851,588

FILING DATE: 05-May-1997

ATTORNEY/AGENT INFORMATION:

NAME: Ingolia, Diane E.

REFERENCE/DOCKET NUMBER: FORS-02777

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 38:

SEQUENCE CHARACTERISTICS:

LENGTH: 240 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 38:

US-09-676-768-38

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
DB 208 TTTCGGACCCCAACTACTC 189

RESULT 75

US-09-034-205-26/c

; Sequence 26, Application US/09034205  
; Patent No. 6194149  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance

```
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/09/034,205
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-26
Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTTCGACCCCAACTACTC 20
   |||||
Db 208 TTTCGACCCCAACTACTC 189

RESULT 76
US-09-034-205-27/c
; Sequence 27, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/09/034,205
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-29
Query Match 100.0%; Score 20; DB 3; Length 244;
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; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-27
Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTTCGACCCCAACTACTC 20
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Db 208 TTTCGACCCCAACTACTC 189

RESULT 77
US-09-034-205-29/c
; Sequence 29, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE:
; APPLICATION NUMBER: US/09/034,205
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-29
Query Match 100.0%; Score 20; DB 3; Length 244;
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Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
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Db 208 TTTCGGACCCCAACTACTC 189

RESULT 78
US-09-034-205-31/c
; Sequence 31, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
US-09-034-205-31

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 79
US-08-934-097A-26/c
; Sequence 26, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435

TITLE OF INVENTION: Oligonucleotides.
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: MEDLEN & CARROLL, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/934,097A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: FORS-02980
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 244 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
US-08-934-097A-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 80
US-08-934-097A-27/c
; Sequence 27, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; Structure Probing With Structure-Bridging
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
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; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,598
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-851-588-26

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 84
US-08-851-588-27/c
; Sequence 27, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,598
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-851-588-29
```

```

; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-851-588-27

Query Match 100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 208 TTTCGGACCCCACTACTC 189

RESULT 85
US-08-851-588-29/c
; Sequence 29, Application US/08851588
; Patent No. 6214545
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Prudent, James R.
; APPLICANT: Dahlberg, James E.
; APPLICANT: Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; TITLE OF INVENTION: Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-851-588-29
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Query Match 100.0%; Score 20; DB 3; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 TTCGGACCCCACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTCGGACCCCACTACTC 189

RESULT 86  
US-08-851-588-31/c  
; Sequence 31, Application US/08851588  
; Patent No. 6214545  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Prudent, James R.  
; APPLICANT: Dahlberg, James E.  
; APPLICANT: Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing  
; NUMBER OF SEQUENCES: 38  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/851,588  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ingolia, Diane E.  
; REGISTRATION NUMBER: 40,027  
; REFERENCE/DOCKET NUMBER: FORS-02777  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 31:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 244 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
US-08-851-588-31

Query Match 100.0%; Score 20; DB 3; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 TTCGGACCCCACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTCGGACCCCACTACTC 189

RESULT 87  
US-09-677-218B-26/c  
; Sequence 26, Application US/09677218B  
; Patent No. 6355437  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/677,218B  
; FILING DATE: 02-Oct-2000  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/034,205  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-03268  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 244 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-09-677-218B-26

Query Match 100.0%; Score 20; DB 3; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTCGGACCCCACTACTC 189

RESULT 88  
US-09-677-218B-27/c  
; Sequence 27, Application US/09677218B  
; Patent No. 6355437  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-677-218B-27

Query Match          100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
DB      208 TTTCGGACCCCAACTACTC 189

RESULT 89
US-09-677-218B-29/c
; Sequence 29, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                     STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-677-218B-31

Query Match          100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
DB      208 TTTCGGACCCCAACTACTC 189

RESULT 90
US-09-677-218B-31/c
; Sequence 31, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                     STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-677-218B-31

Query Match          100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
DB      208 TTTCGGACCCCAACTACTC 189
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;
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-677-218B-29

Query Match          100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
DB      208 TTTCGGACCCCAACTACTC 189

RESULT 90
US-09-677-218B-31/c
; Sequence 31, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichiev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                     STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-677-218B-31

Query Match          100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTTCGGACCCCAACTACTC 20
DB      208 TTTCGGACCCCAACTACTC 189
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Db 208 TTTCGGACCCCAACTACTC 189  
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## RESULT 91

US-09-677-192-26/c  
; Sequence 26, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; FILE REFERENCE: OLIGONUCLEOTIDES

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 26

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-26

Query Match 100.0%; Score 20; DB 3; Length 244;

Best Local Similarity 100.0%; Pred. No. 0.0033;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20

|||||

Db 208 TTTCGGACCCCAACTACTC 189

## RESULT 92

US-09-677-192-27/c

; Sequence 27, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; FILE REFERENCE: OLIGONUCLEOTIDES

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 27

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-27

Query Match 100.0%; Score 20; DB 3; Length 244;

Best Local Similarity 100.0%; Pred. No. 0.0033;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20

|||||

Db 208 TTTCGGACCCCAACTACTC 189

## RESULT 93

US-09-677-192-29/c

; Sequence 29, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; FILE REFERENCE: OLIGONUCLEOTIDES

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 29

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-29

Query Match 100.0%; Score 20; DB 3; Length 244;

Best Local Similarity 100.0%; Pred. No. 0.0033;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20

|||||

Db 208 TTTCGGACCCCAACTACTC 189

## RESULT 94

US-09-677-192-31/c

; Sequence 31, Application US/09677192

; Patent No. 6358691

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING

; FILE REFERENCE: OLIGONUCLEOTIDES

; CURRENT APPLICATION NUMBER: US/09/677,192

; CURRENT FILING DATE: 2000-10-02

; PRIOR APPLICATION NUMBER: 09/034,205

; PRIOR FILING DATE: 1998-03-03

; NUMBER OF SEQ ID NOS: 68

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 31

; LENGTH: 244

; TYPE: DNA

; ORGANISM: Hepatitis C virus

US-09-677-192-31

Query Match 100.0%; Score 20; DB 3; Length 244;

Best Local Similarity 100.0%; Pred. No. 0.0033;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20

|||||

Db 208 TTTCGGACCCCAACTACTC 189

## RESULT 95

US-09-402-618B-26/c

; Sequence 26, Application US/09402618B

; Patent No. 6709815

; GENERAL INFORMATION:

; APPLICANT: Dong, Fang

; APPLICANT: Lyamichev, Victor

; APPLICANT: Prudent, James

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce



```
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; US-09-402-618B-26

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
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Db 208 TTTCGGACCCCAACTACTC 189

RESULT 96
US-09-402-618B-27/c
; Sequence 27, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; US-09-402-618B-27

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
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Db 208 TTTCGGACCCCAACTACTC 189

RESULT 97
US-09-402-618B-29/c
; Sequence 29, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
```

```
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; US-09-402-618B-29

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
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Db 208 TTTCGGACCCCAACTACTC 189

RESULT 98
US-09-402-618B-31/c
; Sequence 31, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; US-09-402-618B-31

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 208 TTTCGGACCCCAACTACTC 189

RESULT 99
US-09-402-618B-124
; Sequence 124, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
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;
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-825-574-29

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20
Db 208 TTCGCGACCCCACTACTC 189

RESULT 106
US-09-825-574-31/c
; Sequence 31, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;      Brow, Mary Ann D.
;      Fors, Lance
;      Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;      Structure Probing With Structure-Bridging
;      Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-825-574-31

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20
Db 208 TTCGCGACCCCACTACTC 189
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Db 208 TTCGCGACCCCACTACTC 189

RESULT 107
US-09-676-768-26/c
; Sequence 26, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;      Lyamichev, Victor I.
;      Prudent, James R.
;      Dahlberg, James E.
;      Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;      Structure Probing
; NUMBER OF SEQUENCES: 38
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/676,768
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/851,588
; FILING DATE: 05-May-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02777
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-676-768-26

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20
Db 208 TTCGCGACCCCACTACTC 189

RESULT 108
US-09-676-768-27/c
; Sequence 27, Application US/09676768
; Patent No. 6780585
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
;      Lyamichev, Victor I.
;      Prudent, James R.
;      Dahlberg, James E.
;      Fors, Lance
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
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CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/09/676,768
  FILING DATE: 02-Oct-2000
  CLASSIFICATION: 435
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/08/851,588
    FILING DATE: 05-May-1997
    ATTORNEY/AGENT INFORMATION:
      NAME: Ingolia, Diane E.
      REGISTRATION NUMBER: 40,027
      REFERENCE/DOCKET NUMBER: FORS-02777
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: (415) 705-8410
      TELEFAX: (415) 397-8338
  INFORMATION FOR SEQ ID NO: 29:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 244 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: double
      TOPOLOGY: linear
    MOLECULE TYPE: other nucleic acid
    DESCRIPTION: /desc = "DNA"
    SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-676-768-29

Query Match          100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 208 TTCCGACCCCAACTACTC 189
|||||
|||||

RESULT 110
US-09-676-768-31/c
  Sequence 31, Application US/09676768
  Patent No. 6780585
  GENERAL INFORMATION:
    APPLICANT: Dong, Fang
    Lyamichev, Victor I.
    Prudent, James R.
    Dahlberg, James E.
    Foxs, Lance
  TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
  NUMBER OF SEQUENCES: 38
  CORRESPONDENCE ADDRESS:
    ADDRESSES: MEDLEN & CARROLL, LLP
    STREET: 220 Montgomery Street, Suite 2200
    CITY: San Francisco
    STATE: CA
    COUNTRY: USA
    ZIP: 94104
  COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: PatentIn Release #1.0, Version #1.30
  CURRENT APPLICATION DATA:
    APPLICATION NUMBER: US/09/676,768
    FILING DATE: 02-Oct-2000
    CLASSIFICATION: 435
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: US/08/851,588
    FILING DATE: 05-May-1997
    ATTORNEY/AGENT INFORMATION:
      NAME: Ingolia, Diane E.
      REGISTRATION NUMBER: 40,027
      REFERENCE/DOCKET NUMBER: FORS-02777
    TELECOMMUNICATION INFORMATION:
      TELEPHONE: (415) 705-8410
      TELEFAX: (415) 397-8338

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Query Match	100.0%	Score 20;	DB 3;	Length 252;
Best Local Similarity	100.0%	Pred. No.	0.0033;	

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Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
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US-08-441-971-35/c  
; Sequence 35, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha

;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
;; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
;; NUMBER OF SEQUENCES: 147  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
;; STREET: 600 Atlantic Avenue  
;; CITY: Boston  
;; STATE: Massachusetts  
;; COUNTRY: USA  
;; ZIP: 02210  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 5.25 inch  
;; COMPUTER: IBM compatible  
;; OPERATING SYSTEM: MS-DOS Version 3.3  
;; SOFTWARE: WordPerfect 5.1  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/441,971  
;; FILING DATE: 16-MAY-1995  
;; CLASSIFICATION: 435  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/221,653  
;; FILING DATE:  
;; APPLICATION NUMBER: US/07/881,528  
;; FILING DATE:  
;; APPLICATION NUMBER: 07/697,326  
;; FILING DATE: 8 May 1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Janiuk, Anthony J.  
;; REGISTRATION NUMBER: 29,809  
;; REFERENCE/DOCKET NUMBER: C0772/7000  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 720-3500  
;; TELEFAX: (617) 720-2441  
;; TELEX: EZEKIEL  
;;  
;; INFORMATION FOR SEQ ID NO: 35:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 252 nucleotides  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: aus1  
;;  
US-08-441-971-35  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCGCGACCCAACTACTC 20  
Db 186 TTCGCGACCCAACTACTC 167  
RESULT 114  
US-08-441-971-36/c  
; Sequence 36, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 35:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: aus1

;; OPERATING SYSTEM: MS-DOS Version 3.3  
;; SOFTWARE: WordPerfect 5.1  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/441,971  
;; FILING DATE: 16-MAY-1995  
;; CLASSIFICATION: 435  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/221,653  
;; FILING DATE:  
;; APPLICATION NUMBER: US/07/881,528  
;; FILING DATE:  
;; APPLICATION NUMBER: 07/697,326  
;; FILING DATE: 8 May 1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Janiuk, Anthony J.  
;; REGISTRATION NUMBER: 29,809  
;; REFERENCE/DOCKET NUMBER: C0772/7000  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 720-3500  
;; TELEFAX: (617) 720-2441  
;; TELEX: EZEKIEL  
;;  
;; INFORMATION FOR SEQ ID NO: 36:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 252 nucleotides  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: sp2  
;;  
US-08-441-971-36  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCGCGACCCAACTACTC 20  
Db 186 TTCGCGACCCAACTACTC 167  
RESULT 115  
US-08-441-971-37/c  
; Sequence 37, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; FILING DATE:

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
;
US-08-441-971-37

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTGCGACCCCAACTACTC 20
        |||||
Db      186 TTGCGACCCCAACTACTC 167

RESULT 116
US-08-441-971-38/c
; Sequence 38, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4
;
US-08-441-971-39
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```
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i21
;
US-08-441-971-38

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTGCGACCCCAACTACTC 20
        |||||
Db      186 TTGCGACCCCAACTACTC 167

RESULT 117
US-08-441-971-39/c
; Sequence 39, Application US/08441971
; Patent No. 6071693
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,971
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4
;
US-08-441-971-39

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTGCGACCCCAACTACTC 20
        |||||
Db      186 TTGCGACCCCAACTACTC 167
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RESULT 118  
US-08-441-971-40/c  
; Sequence 40, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 40:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: jhl  
US-08-441-971-40  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCCGACCCCAACTACTC 20  
Db 186 TTCCGACCCCAACTACTC 167  
RESULT 119  
US-08-441-971-41/c  
; Sequence 41, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 41:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: nac5  
US-08-441-971-41  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCCGACCCCAACTACTC 20  
Db 186 TTCCGACCCCAACTACTC 167  
RESULT 120  
US-08-441-971-42/c  
; Sequence 42, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995

CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE: 07/697,326  
APPLICATION NUMBER: US/07/881,528  
FILING DATE: 07/697,326  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE: arg2  
INDIVIDUAL ISOLATE: arg2  
US-08-441-971-42

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 121  
US-08-441-971-43/c  
Sequence 43, Application US/08441971  
Patent No. 6071693  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
OPERATING SYSTEM: MS-DOS Version 3.3  
NUMBER OF SEQUENCES: 147  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
STREET: 600 Atlantic Avenue  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS Version 3.3  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/441,971  
FILING DATE: 16-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE:  
APPLICATION NUMBER: US/07/881,528  
FILING DATE:  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 43:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE: sp1  
INDIVIDUAL ISOLATE: sp1  
US-08-441-971-43

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 122  
US-08-441-971-44/c  
Sequence 44, Application US/08441971  
Patent No. 6071693  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
OPERATING SYSTEM: MS-DOS Version 3.3  
NUMBER OF SEQUENCES: 147  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
STREET: 600 Atlantic Avenue  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS Version 3.3  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/441,971  
FILING DATE: 16-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE:  
APPLICATION NUMBER: US/07/881,528  
FILING DATE:  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 44:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE: gh1  
INDIVIDUAL ISOLATE: gh1  
US-08-441-971-44

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

## RESULT 123

US-08-441-971-45/c  
; Sequence 45, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653

; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 MAY 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441

; INFORMATION FOR SEQ ID NO: 45:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: i15

US-08-441-971-45

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

## RESULT 124

US-08-441-971-48/c  
; Sequence 48, Application US/08441971

; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653

; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 MAY 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441

; INFORMATION FOR SEQ ID NO: 48:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: s21

US-08-441-971-48

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

## RESULT 125

US-08-441-971-49/c  
; Sequence 49, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS Version 3.3  
SOFTWARE: Wordperfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/441,971  
FILING DATE: 16-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE:  
APPLICATION NUMBER: US/07/881,528  
FILING DATE:  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE: gj61329  
INDIVIDUAL ISOLATE: gj61329  
US-08-441-971-49

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20  
|||||  
DB 186 TTCGCGACCCCACTACTC 167

RESULT 126  
US-08-221-653-33/c  
Sequence 33, Application US/08221653  
Patent No. 6190864  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 147  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
STREET: 600 Atlantic Avenue  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS Version 3.3  
SOFTWARE: Wordperfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/881,528  
FILING DATE:  
APPLICATION NUMBER: 07/697,326

FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE: (ATCC # 40394)  
INDIVIDUAL ISOLATE: hcv1  
US-08-221-653-33

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20  
|||||  
DB 186 TTCGCGACCCCACTACTC 167

RESULT 127  
US-08-221-653-34/c  
Sequence 34, Application US/08221653  
Patent No. 6190864  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 147  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
STREET: 600 Atlantic Avenue  
CITY: Boston  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS Version 3.3  
SOFTWARE: Wordperfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/881,528  
FILING DATE:  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

```
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE: us5
; INDIVIDUAL ISOLATE: us5
US-08-221-653-34
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 128
US-08-221-653-35/c
; Sequence 35, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: aus1
US-08-221-653-35
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 129
US-08-221-653-35/c
; Sequence 35, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: aus1
US-08-221-653-35
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 129
```

```
US-08-221-653-36/c
; Sequence 36, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sp2
US-08-221-653-36
Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 130
US-08-221-653-37/c
; Sequence 37, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
```

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
;
US-08-221-653-37

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
   |||||
Db 186 TTGCGACCCCAACTACTC 167

RESULT 131
US-08-221-653-38/c
; Sequence 38, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: gm2
;
US-08-221-653-37

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
   |||||
Db 186 TTGCGACCCCAACTACTC 167

RESULT 131
US-08-221-653-38/c
; Sequence 38, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
```

```
;
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i21
;
US-08-221-653-38

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
   |||||
Db 186 TTGCGACCCCAACTACTC 167

RESULT 132
US-08-221-653-39/c
; Sequence 39, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221,653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881,528
; FILING DATE:
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
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```
; INDIVIDUAL ISOLATE: us4
US-08-221-653-39
Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCGCGACCCCAACTACTC 20
Db      186 TTCGCGACCCCAACTACTC 167

RESULT 133
US-08-221-653-40/c
; Sequence 40, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221.653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881.528
; FILING DATE:
; APPLICATION NUMBER: 07/697.326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: jh1
US-08-221-653-40

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCGCGACCCCAACTACTC 20
Db      186 TTCGCGACCCCAACTACTC 167

RESULT 134
US-08-221-653-41/c
; Sequence 41, Application US/08221653
```

```
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/221.653
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/881.528
; FILING DATE:
; APPLICATION NUMBER: 07/697.326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: nacs
US-08-221-653-41

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCGCGACCCCAACTACTC 20
Db      186 TTCGCGACCCCAACTACTC 167

RESULT 135
US-08-221-653-42/c
; Sequence 42, Application US/08221653
; Patent No. 6190864
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
```

; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: arg2  
US-08-221-653-42

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||  
Db 186 TTTCGGACCCCACTACTC 167

RESULT 136  
US-08-221-653-43/c  
; Sequence 43, Application US/08221653  
; Patent No. 6190864  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809

; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 43:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sp1  
US-08-221-653-43

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||  
Db 186 TTTCGGACCCCACTACTC 167

RESULT 137  
US-08-221-653-44/c  
; Sequence 44, Application US/08221653  
; Patent No. 6190864  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 44:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: gh1  
US-08-221-653-44



Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

## RESULT 138

US-08-221-653-45/c  
; Sequence 45, Application US/08221653  
; Patent No. 6190864

## GENERAL INFORMATION:

APPLICANT: Tai-An Cha  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

STREET: 600 Atlantic Avenue

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02210

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: WordPerfect 5.1

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/221,653

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/881,528

FILING DATE:

APPLICATION NUMBER: 07/697,326

FILING DATE: 8 May 1991

ATTORNEY/AGENT INFORMATION:

NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809

REFERENCE/DOCKET NUMBER: C0772/7000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 720-3500

TELEFAX: (617) 720-2441

TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 45:

SEQUENCE CHARACTERISTICS:

LENGTH: 252 nucleotides

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: i15

US-08-221-653-45

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

## RESULT 139

US-08-221-653-48/c

; Sequence 48, Application US/08221653

; Patent No. 6190864

## GENERAL INFORMATION:

APPLICANT: Tai-An Cha  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

STREET: 600 Atlantic Avenue

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02210

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: WordPerfect 5.1

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/221,653

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/881,528

FILING DATE:

APPLICATION NUMBER: 07/697,326

FILING DATE: 8 May 1991

ATTORNEY/AGENT INFORMATION:

NAME: Janiuk, Anthony J.

REGISTRATION NUMBER: 29,809

REFERENCE/DOCKET NUMBER: C0772/7000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 720-3500

TELEFAX: (617) 720-2441

TELEX: EZEKIEL

INFORMATION FOR SEQ ID NO: 48:

SEQUENCE CHARACTERISTICS:

LENGTH: 252 nucleotides

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: s21

US-08-221-653-48

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

## RESULT 140

US-08-221-653-49/c

; Sequence 49, Application US/08221653

; Patent No. 6190864

## GENERAL INFORMATION:

APPLICANT: Tai-An Cha

TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

STREET: 600 Atlantic Avenue

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02210

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch

COMPUTER: IBM compatible

OPERATING SYSTEM: MS-DOS Version 3.3

SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/221,653  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/881,528  
FILING DATE:  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 49:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: gj61329

US-08-221-653-49

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20  
Db 186 TTGCGACCCCACTACTC 167

RESULT 141  
US-08-442-144A-33/C  
Sequence 33, Application US/08442144A  
Patent No. 6214583  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
APPLICANT: Bileen Beall  
APPLICANT: Bruce Irvine  
APPLICANT: Janice Kolberg  
APPLICANT: Michael S. Urdea  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A  
FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yatko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:

REFERENCE/DOCKET NUMBER: CHIR-0121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: hcv1 (ATCC# 40394)

US-08-442-144A-33

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20  
Db 186 TTGCGACCCCACTACTC 167

RESULT 142  
US-08-442-144A-34/C  
Sequence 34, Application US/08442144A  
Patent No. 6214583  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
APPLICANT: Bileen Beall  
APPLICANT: Bruce Irvine  
APPLICANT: Janice Kolberg  
APPLICANT: Michael S. Urdea  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A  
FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yatko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 34:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:

```
; INDIVIDUAL ISOLATE: us5
US-08-442-144A-34
Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      186 TTTCGGACCCCAACTACTC 167

RESULT 143
US-08-442-144A-35/c
; Sequence 35, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: aus1
US-08-442-144A-35
Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      186 TTTCGGACCCCAACTACTC 167

RESULT 144
US-08-442-144A-36/c
; Sequence 36, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: California
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 Inch
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows NT
; SOFTWARE: Microsoft Word 97
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/442,144A
; FILING DATE: MAY 16, 1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/221,653
; FILING DATE: APRIL 1, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Doreen Yanko Trujillo
; REGISTRATION NUMBER: 35,719
; REFERENCE/DOCKET NUMBER: CHIR-0121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; TELEX:
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 Nucleotides
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sp2
US-08-442-144A-36
Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      186 TTTCGGACCCCAACTACTC 167

RESULT 145
US-08-442-144A-37/c
; Sequence 37, Application US/08442144A
; Patent No. 6214583
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; APPLICANT: Eileen Beall
; APPLICANT: Bruce Irvine
; APPLICANT: Janice Kolberg
; APPLICANT: Michael S. Urdea
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; NUMBER OF SEQUENCES: 148
; CORRESPONDENCE ADDRESS:
```

ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A  
FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yacko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: gm2  
US-08-442-144A-37

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||||  
Db 186 TTTCGGACCCCACTACTC 167

RESULT 146  
US-08-442-144A-38/c  
Sequence 38, Application US/08442144A  
Patent No. 6214583  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
APPLICANT: Eileen Beall  
APPLICANT: Bruce Irvine  
APPLICANT: Janice Kolberg  
APPLICANT: Michael S. Urdea  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A

FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yacko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: i21  
US-08-442-144A-38

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCACTACTC 20  
|||||  
Db 186 TTTCGGACCCCACTACTC 167

RESULT 147  
US-08-442-144A-39/c  
Sequence 39, Application US/08442144A  
Patent No. 6214583  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
APPLICANT: Eileen Beall  
APPLICANT: Bruce Irvine  
APPLICANT: Janice Kolberg  
APPLICANT: Michael S. Urdea  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A  
FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yacko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:

; INFORMATION FOR SEQ ID NO: 39:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 252 Nucleotides

; TYPE: Nucleic Acid

; STRANDEDNESS: Single

; TOPOLOGY: Linear

; MOLECULE TYPE: DNA

; ORIGINAL SOURCE:

; INDIVIDUAL ISOLATE: us4

US-08-442-144A-39

Query Match 100.0%; Score 20; DB 3; Length 252;

Best Local Similarity 100.0%; Pred. No. 0.0033;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20

Db 186 TTTCGGACCCCACTACTC 167

RESULT 148

US-08-442-144A-40/c

; Sequence 40, Application US/08442144A

; Patent No. 6214583

; GENERAL INFORMATION:

; APPLICANT: Tai-An Cha

; APPLICANT: Eileen Beall

; APPLICANT: Bruce Irvine

; APPLICANT: Janice Kolberg

; APPLICANT: Michael S. Urdea

; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 148

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Chiron Corporation

; STREET: 4560 Horton Street

; CITY: Emeryville

; STATE: California

; COUNTRY: USA

; ZIP: 94608-2916

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.5 Inch

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows NT

; SOFTWARE: Microsoft Word 97

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/442.144A

; FILING DATE: MAY 16, 1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/221,653

; FILING DATE: APRIL 1, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Doreen Yatko Trujillo

; REGISTRATION NUMBER: 35,719

; REFERENCE/DOCKET NUMBER: CHIR-0121

; TELEPHONE: 215-568-3100

; TELEFAX: 215-568-3439

; TELEX:

; INFORMATION FOR SEQ ID NO: 40:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 252 Nucleotides

; TYPE: Nucleic Acid

; STRANDEDNESS: Single

; TOPOLOGY: Linear

; MOLECULE TYPE: DNA

; ORIGINAL SOURCE:

; INDIVIDUAL ISOLATE: jh1

US-08-442-144A-40

Query Match

Best Local Similarity 100.0%; Score 20; DB 3; Length 252;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20

Db 186 TTTCGGACCCCACTACTC 167

RESULT 149

US-08-442-144A-41/c

; Sequence 41, Application US/08442144A

; Patent No. 6214583

; GENERAL INFORMATION:

; APPLICANT: Tai-An Cha

; APPLICANT: Eileen Beall

; APPLICANT: Bruce Irvine

; APPLICANT: Janice Kolberg

; APPLICANT: Michael S. Urdea

; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR

; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 148

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Chiron Corporation

; STREET: 4560 Horton Street

; CITY: Emeryville

; STATE: California

; COUNTRY: USA

; ZIP: 94608-2916

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.5 Inch

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: Windows NT

; SOFTWARE: Microsoft Word 97

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/442.144A

; FILING DATE: MAY 16, 1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/221,653

; FILING DATE: APRIL 1, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: Doreen Yatko Trujillo

; REGISTRATION NUMBER: 35,719

; REFERENCE/DOCKET NUMBER: CHIR-0121

; TELEPHONE: 215-568-3100

; TELEFAX: 215-568-3439

; TELEX:

; INFORMATION FOR SEQ ID NO: 41:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 252 Nucleotides

; TYPE: Nucleic Acid

; STRANDEDNESS: Single

; TOPOLOGY: Linear

; MOLECULE TYPE: DNA

; ORIGINAL SOURCE:

; INDIVIDUAL ISOLATE: nacs

US-08-442-144A-41

Query Match 100.0%; Score 20; DB 3; Length 252;

Best Local Similarity 100.0%; Pred. No. 0.0033;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20

Db 186 TTTCGGACCCCACTACTC 167

RESULT 150

US-08-442-144A-42/c

; Sequence 42, Application US/08442144A

; Patent No. 6214583

; GENERAL INFORMATION:

; APPLICANT: Tai-An Cha

;; APPLICANT: Eileen Beall  
;; APPLICANT: Bruce Irvine  
;; APPLICANT: Janice Kolberg  
;; APPLICANT: Michael S. Urdea  
;; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
;; NUMBER OF SEQUENCES: 148  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Chiron Corporation  
;; STREET: 4560 Horton Street  
;; CITY: Emeryville  
;; STATE: California  
;; COUNTRY: USA  
;;  
;; ZIP: 94608-2916  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 3.5 Inch  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: Windows NT  
;; SOFTWARE: Microsoft Word 97  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/442,144A  
;; FILING DATE: MAY 16, 1995  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/221,653  
;; FILING DATE: APRIL 1, 1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Doreen Yanko Trujillo  
;; REGISTRATION NUMBER: 35,719  
;; REFERENCE/DOCKET NUMBER: CHIR-0121  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 215-568-3100  
;; TELEFAX: 215-568-3439  
;; TELEX:  
;;  
;; INFORMATION FOR SEQ ID NO: 42:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 252 Nucleotides  
;; TYPE: Nucleic Acid  
;; STRANDEDNESS: Single  
;; TOPOLOGY: Linear  
;; MOLECULE TYPE: DNA  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: arg2  
US-08-442-144A-42

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 151  
US-08-442-144A-43/c  
; Sequence 43, Application US/08442144A  
; Patent No. 6214583  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; APPLICANT: Eileen Beall  
; APPLICANT: Bruce Irvine  
; APPLICANT: Janice Kolberg  
; APPLICANT: Michael S. Urdea  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; NUMBER OF SEQUENCES: 148  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: California  
; COUNTRY: USA

;; ZIP: 94608-2916  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette, 3.5 Inch  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: Windows NT  
;; SOFTWARE: Microsoft Word 97  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/442,144A  
;; FILING DATE: MAY 16, 1995  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/221,653  
;; FILING DATE: APRIL 1, 1994  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Doreen Yanko Trujillo  
;; REGISTRATION NUMBER: 35,719  
;; REFERENCE/DOCKET NUMBER: CHIR-0121  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 215-568-3100  
;; TELEFAX: 215-568-3439  
;; TELEX:  
;;  
;; INFORMATION FOR SEQ ID NO: 43:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 252 Nucleotides  
;; TYPE: Nucleic Acid  
;; STRANDEDNESS: Single  
;; TOPOLOGY: Linear  
;; MOLECULE TYPE: DNA  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: sp1  
US-08-442-144A-43

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTTCGGACCCCAACTACTC 20  
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 152  
US-08-442-144A-44/c  
; Sequence 44, Application US/08442144A  
; Patent No. 6214583  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; APPLICANT: Eileen Beall  
; APPLICANT: Bruce Irvine  
; APPLICANT: Janice Kolberg  
; APPLICANT: Michael S. Urdea  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; NUMBER OF SEQUENCES: 148  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94608-2916  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 Inch  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows NT  
; SOFTWARE: Microsoft Word 97  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/442,144A  
; FILING DATE: MAY 16, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/221,653  
; FILING DATE: APRIL 1, 1994

ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yatko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 44:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: gh1  
US-08-442-144A-44

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
|||||  
DB 186 TTTCGGACCCCACTACTC 167

RESULT 153  
US-08-442-144A-45/c  
Sequence 45, Application US/08442144A  
Patent No. 6214583  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
APPLICANT: Eileen Beall  
APPLICANT: Bruce Irvine  
APPLICANT: Janice Kolberg  
APPLICANT: Michael S. Urdea  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A  
FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yatko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 45:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single

TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: i15  
US-08-442-144A-45  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTTCGGACCCCACTACTC 20  
|||||  
DB 186 TTTCGGACCCCACTACTC 167

RESULT 154  
US-08-442-144A-48/c  
Sequence 48, Application US/08442144A  
Patent No. 6214583  
GENERAL INFORMATION:  
APPLICANT: Tai-An Cha  
APPLICANT: Eileen Beall  
APPLICANT: Bruce Irvine  
APPLICANT: Janice Kolberg  
APPLICANT: Michael S. Urdea  
TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 148  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: California  
COUNTRY: USA  
ZIP: 94608-2916  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.5 Inch  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows NT  
SOFTWARE: Microsoft Word 97  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/442,144A  
FILING DATE: MAY 16, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/221,653  
FILING DATE: APRIL 1, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Doreen Yatko Trujillo  
REGISTRATION NUMBER: 35,719  
REFERENCE/DOCKET NUMBER: CHIR-0121  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 215-568-3100  
TELEFAX: 215-568-3439  
TELEX:  
INFORMATION FOR SEQ ID NO: 48:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 Nucleotides  
TYPE: Nucleic Acid  
STRANDEDNESS: Single  
TOPOLOGY: Linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: s21  
US-08-442-144A-48

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
|||||  
DB 186 TTTCGGACCCCACTACTC 167

RESULT 155  
US-08-442-144A-49/c  
; Sequence 49, Application US/08442144A  
; Patent No. 6214583  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; APPLICANT: Eileen Beall  
; APPLICANT: Bruce Irvine  
; APPLICANT: Janice Kolberg  
; APPLICANT: Michael S. Urdea  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 148  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94608-2916  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 Inch  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows NT  
; SOFTWARE: Microsoft Word 97  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/442,144A  
; FILING DATE: MAY 16, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/221,653  
; FILING DATE: APRIL 1, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Doreen Yanko Trujillo  
; REGISTRATION NUMBER: 35,719  
; REFERENCE/DOCKET NUMBER: CHIR-0121  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 49:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 Nucleotides  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE: gj61329  
; INDIVIDUAL ISOLATE:  
US-08-442-144A-49

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 156  
US-08-441-970-33/c  
; Sequence 33, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.

; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 33:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE: (ATCC # 40394)  
; INDIVIDUAL ISOLATE: hcv1  
US-08-441-970-33

Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 186 TTTCGGACCCCAACTACTC 167

RESULT 157  
US-08-441-970-34/c  
; Sequence 34, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: Wordperfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:



```
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 34:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us5
; US-08-441-970-34

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20
Db 186 TTGCGACCCCACTACTC 167

RESULT 158
US-08-441-970-35/c
; Sequence 35, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
```

```
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: aus1
; US-08-441-970-35

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20
Db 186 TTGCGACCCCACTACTC 167

RESULT 159
US-08-441-970-36/c
; Sequence 36, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: sp2
; US-08-441-970-36

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20
Db 186 TTGCGACCCCACTACTC 167
```

RESULT 160  
US-08-441-970-37/c  
; Sequence 37, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441.970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 37:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: gm2  
US-08-441-970-37  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCCGACCCCAACTACTC 20  
Db 186 TTCCGACCCCAACTACTC 167  
RESULT 161  
US-08-441-970-38/c  
; Sequence 38, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston

STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 5.25 inch  
COMPUTER: IBM compatible  
OPERATING SYSTEM: MS-DOS Version 3.3  
SOFTWARE: WordPerfect 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/441.970  
FILING DATE: 16-MAY-1995  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/881,528  
FILING DATE: 08-MAY-1992  
APPLICATION NUMBER: 07/697,326  
FILING DATE: 8 May 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Janiuk, Anthony J.  
REGISTRATION NUMBER: 29,809  
REFERENCE/DOCKET NUMBER: C0772/7000  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 720-3500  
TELEFAX: (617) 720-2441  
TELEX: EZEKIEL  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 252 nucleotides  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: i21  
US-08-441-970-38  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCCGACCCCAACTACTC 20  
Db 186 TTCCGACCCCAACTACTC 167  
RESULT 162  
US-08-441-970-39/c  
; Sequence 39, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441.970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992

```
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: us4
;
US-08-441-970-39

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 186 TTTCGGACCCCACTACTC 167

RESULT 163
US-08-441-970-40/c
; Sequence 40, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: nacs
;
US-08-441-970-41
```

```
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: jh1
;
US-08-441-970-40

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 186 TTTCGGACCCCACTACTC 167

RESULT 164
US-08-441-970-41/c
; Sequence 41, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: nacs
;
US-08-441-970-41

Query Match 100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20
Db 186 TTTCGGACCCCACTACTC 167
```

RESULT 165  
US-08-441-970-42/c  
; Sequence 42, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 42:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: arg2  
; US-08-441-970-42  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCCGACCCCAACTACTC 20  
Db 186 TTCCGACCCCAACTACTC 167  
RESULT 166  
US-08-441-970-43/c  
; Sequence 43, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 43:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: arg2  
; US-08-441-970-42

; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 43:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sp1  
; US-08-441-970-43  
Query Match 100.0%; Score 20; DB 3; Length 252;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 TTCCGACCCCAACTACTC 20  
Db 186 TTCCGACCCCAACTACTC 167  
RESULT 167  
US-08-441-970-44/c  
; Sequence 44, Application US/08441970  
; Patent No. 6297370  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 44:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 252 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sp1  
; US-08-441-970-43

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: ghl
; US-08-441-970-44

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
        |||||
DB      186 TTTCGGACCCCAACTACTC 167

RESULT 168
US-08-441-970-45/c
; Sequence 45, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: ghl
; US-08-441-970-45
```

```
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: i15
; US-08-441-970-45

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
        |||||
DB      186 TTTCGGACCCCAACTACTC 167

RESULT 169
US-08-441-970-48/c
; Sequence 48, Application US/08441970
; Patent No. 6297370
; GENERAL INFORMATION:
; APPLICANT: Tai-An Cha
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 147
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
; STREET: 600 Atlantic Avenue
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch
; COMPUTER: IBM compatible
; OPERATING SYSTEM: MS-DOS Version 3.3
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/441,970
; FILING DATE: 16-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/881,528
; FILING DATE: 08-MAY-1992
; APPLICATION NUMBER: 07/697,326
; FILING DATE: 8 May 1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Janiuk, Anthony J.
; REGISTRATION NUMBER: 29,809
; REFERENCE/DOCKET NUMBER: C0772/7000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 720-3500
; TELEFAX: (617) 720-2441
; TELEX: EZEKIEL
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 nucleotides
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: s21
; US-08-441-970-48

Query Match      100.0%; Score 20; DB 3; Length 252;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
        |||||
DB      186 TTTCGGACCCCAACTACTC 167

RESULT 170
US-08-441-970-49/c
```



```
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-08-483-695-24

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGCGACCCCAACTACTC 20
Db 193 TTTCGCGACCCCAACTACTC 174

RESULT 173
US-08-483-695-25/c
; Sequence 25, Application US/08483695
; Patent No. 5866139
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,695
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-08-483-695-25
```

```
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-08-483-695-25

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGCGACCCCAACTACTC 20
Db 193 TTTCGCGACCCCAACTACTC 174

RESULT 174
US-08-483-695-26/c
; Sequence 26, Application US/08483695
; Patent No. 5866139
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,695
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-08-483-695-26

Query Match 100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGCGACCCCAACTACTC 20
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/ APPLICATION NUMBER: US/07/965,285
/ FILING DATE: 18-MAR-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 25:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: CDNA to genomic RNA
US-07-965-285-25

Query Match      100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCACACTACTC 20
DB      193 TTTCGGACCCACACTACTC 174

RESULT 179
US-08-487-231-1/c
/ Sequence 1, Application US/08487231
/ Patent No. 5919454
/ GENERAL INFORMATION:
/ APPLICANT: Brechot, Christian
/ APPLICANT: Kremendorf, Dina
/ APPLICANT: Porchon, Colette
/ TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
/ TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
/ NUMBER OF SEQUENCES: 46
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/487,231
/ FILING DATE: 07-JUNE-1995
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/965,285
/ FILING DATE: 18-MAR-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-02000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 1:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 256 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: Other
/ DESCRIPTION: CDNA to genomic RNA
US-08-487-231-1

Query Match      100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCACACTACTC 20
DB      193 TTTCGGACCCACACTACTC 174

RESULT 179
US-07-965-285-26/c
/ Sequence 26, Application US/07965285
/ Patent No. 5879904
/ GENERAL INFORMATION:
/ APPLICANT: Brechot, Christian
/ APPLICANT: Kremendorf, Dina
/ APPLICANT: Porchon, Colette
/ TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
/ TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
/ NUMBER OF SEQUENCES: 46
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
/ ADDRESSEE: Dunner
/ STREET: 1300 I Street, N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20005-3315
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/07/965,285
/ FILING DATE: 18-MAR-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: FR 91 06 882
/ FILING DATE: 06-JUN-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Meyers, Kenneth J.
/ REGISTRATION NUMBER: 25,146
/ REFERENCE/DOCKET NUMBER: 05286-0001-00000
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-408-4000
/ TELEFAX: 202-408-4400
/ INFORMATION FOR SEQ ID NO: 26:
/ SEQUENCE CHARACTERISTICS:
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Qy      1  TTCGGACCCCAACTACTC 20
|||||
Db      193 TTCGGACCCCAACTACTC 174

RESULT 180
US-08-487-231-24/c
; Sequence 24, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: CDNA to genomic RNA
US-08-487-231-24

Query Match      100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTCGGACCCCAACTACTC 20
|||||
Db      193 TTCGGACCCCAACTACTC 174

RESULT 181
US-08-487-231-25/c
; Sequence 25, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: CDNA to genomic RNA
US-08-487-231-25

Query Match      100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTCGGACCCCAACTACTC 20
|||||
Db      193 TTCGGACCCCAACTACTC 174

RESULT 182
US-08-487-231-26/c
; Sequence 26, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: CDNA to genomic RNA
US-08-487-231-25

Query Match      100.0%; Score 20; DB 2; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTCGGACCCCAACTACTC 20
|||||
Db      193 TTCGGACCCCAACTACTC 174
```

;  
; CITY: Washington  
; STATE: DC USA  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/487,231  
; FILING DATE: 07-JUNE-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/965,285  
; FILING DATE: 18-MAR-1993  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: FR 91 06 882  
; FILING DATE: 06-JUN-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meyers, Kenneth J.  
; REGISTRATION NUMBER: 25,146  
; REFERENCE/DOCKET NUMBER: 05286-0001-02000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 26:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 256 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: Other  
; DESCRIPTION: cDNA to genomic RNA  
US-08-487-231-26

Query Match 100.0%; Score 20; DB 2; Length 256;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 193 TTCGCGACCCCAACTACTC 174

RESULT 183  
US-09-201-912-1/c  
; Sequence 1, Application US/09201912  
; Patent No. 6210962  
; GENERAL INFORMATION:  
; APPLICANT: Brechot, Christian  
; APPLICANT: Kremendorf, Dina  
; APPLICANT: Porchon, Colette  
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a  
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
; ADDRESSEE: Dunner  
; STREET: 1300 I Street, N.W.  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/201,912

;  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/965,285  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meyers, Kenneth J.  
; REGISTRATION NUMBER: 25,146  
; REFERENCE/DOCKET NUMBER: 05286-0001-00000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 256 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: Other  
; DESCRIPTION: cDNA to genomic RNA  
US-09-201-912-1

Query Match 100.0%; Score 20; DB 3; Length 256;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 193 TTCGCGACCCCAACTACTC 174

RESULT 184  
US-09-201-912-24/c  
; Sequence 24, Application US/09201912  
; Patent No. 6210962  
; GENERAL INFORMATION:  
; APPLICANT: Brechot, Christian  
; APPLICANT: Kremendorf, Dina  
; APPLICANT: Porchon, Colette  
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a  
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic  
; NUMBER OF SEQUENCES: 46  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &  
; ADDRESSEE: Dunner  
; STREET: 1300 I Street, N.W.  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20005-3315  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/201,912  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/965,285  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Meyers, Kenneth J.  
; REGISTRATION NUMBER: 25,146  
; REFERENCE/DOCKET NUMBER: 05286-0001-00000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-408-4000  
; TELEFAX: 202-408-4400  
; INFORMATION FOR SEQ ID NO: 24:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 256 base pairs

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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-09-201-912-24

Query Match      100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 193 TTCCGACCCCAACTACTC 174

RESULT 185
US-09-201-912-25/c
; Sequence 25, Application US/09201912
; Patent No. 6210962
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,912
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,285
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-09-201-912-25

Query Match      100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 193 TTCCGACCCCAACTACTC 174
```

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RESULT 186
US-09-201-912-26/c
; Sequence 26, Application US/09201912
; Patent No. 6210962
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremsdorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,912
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,285
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: cdna to genomic RNA
US-09-201-912-26

Query Match      100.0%; Score 20; DB 3; Length 256;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20
Db 193 TTCCGACCCCAACTACTC 174

RESULT 187
US-09-899-082B-98/c
; Sequence 98, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
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REFERENCE/DOCKET NUMBER: FORS-02565  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 123:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-757-653-123

Query Match 100.0%; Score 20; DB 2; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
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Db 218 TTCGCGACCCCACTACTC 199

RESULT 191  
US-08-757-653-126/c  
Sequence 126, Application US/08757653  
Patent No. 5843669  
GENERAL INFORMATION:  
APPLICANT: Kaiser, Michael W.  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Lyamichev, Natasha  
TITLE OF INVENTION: Cleavage Of Nucleic Acid Using  
TITLE OF INVENTION: Thermostable FEN-1 Endonucleases  
NUMBER OF SEQUENCES: 190  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Medlen & Carroll, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: California  
COUNTRY: United States Of America  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/757,653  
FILING DATE:

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02565  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 126:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-757-653-126

Query Match 100.0%; Score 20; DB 2; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
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Db 218 TTCGCGACCCCACTACTC 199

RESULT 192  
US-08-757-653-127  
Sequence 127, Application US/08757653  
Patent No. 5843669  
GENERAL INFORMATION:  
APPLICANT: Kaiser, Michael W.  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Lyamichev, Natasha  
TITLE OF INVENTION: Cleavage Of Nucleic Acid Using  
TITLE OF INVENTION: Thermostable FEN-1 Endonucleases  
NUMBER OF SEQUENCES: 190  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Medlen & Carroll, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: California  
COUNTRY: United States Of America  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/757,653  
FILING DATE:

CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02565  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 127:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-757-653-127

Query Match 100.0%; Score 20; DB 2; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
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Db 64 TTCGCGACCCCACTACTC 83

RESULT 193  
US-08-757-653-128  
Sequence 128, Application US/08757653  
Patent No. 5843669  
GENERAL INFORMATION:  
APPLICANT: Kaiser, Michael W.  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Lyamichev, Natasha  
TITLE OF INVENTION: Cleavage Of Nucleic Acid Using  
TITLE OF INVENTION: Thermostable FEN-1 Endonucleases  
NUMBER OF SEQUENCES: 190  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Medlen & Carroll, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: California  
COUNTRY: United States Of America  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

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; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-128

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 194
US-08-757-653-129
; Sequence 129, Application US/08757653
; Patent No. 5843669
; GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Lyamichev, Natasha
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
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US-08-757-653-129

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 195
US-08-757-653-132
; Sequence 132, Application US/08757653
; Patent No. 5843669
; GENERAL INFORMATION:
; APPLICANT: Kaiser, Michael W.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Lyamichev, Natasha
; TITLE OF INVENTION: Cleavage Of Nucleic Acid Using
; TITLE OF INVENTION: Thermostable FEN-1 Endonucleases
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/757,653
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02565
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-757-653-132

Query Match 100.0%; Score 20; DB 2; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0033;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 196
US-08-520-946-121/c
; Sequence 121, Application US/08520946
; Patent No. 6372424
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
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NUMBER OF SEQUENCES: 160  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/520,946  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-520-946-121

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||  
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 197  
US-08-520-946-123/c  
; Sequence 123, Application US/08520946  
; Patent No. 6372424  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 160  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/520,946  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 121:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-520-946-123

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||  
Db 218 TTTCGGACCCCAACTACTC 199

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 123:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-520-946-123

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
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Db 218 TTTCGGACCCCAACTACTC 199

RESULT 198  
US-08-520-946-126/c  
; Sequence 126, Application US/08520946  
; Patent No. 6372424  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 160  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/520,946  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 126:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-520-946-126

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||  
Db 218 TTTCGGACCCCAACTACTC 199



RESULT 199  
US-08-520-946-127  
; Sequence 127, Application US/08520946  
; Patent No. 6372424  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 160  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/520,946  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-520-946-127

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
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Db 64 TTCGCGACCCCAACTACTC 83

RESULT 200  
US-08-520-946-128  
; Sequence 128, Application US/08520946  
; Patent No. 6372424  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 160  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/520,946  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 128:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-08-520-946-128

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0033;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
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Db 64 TTCGCGACCCCAACTACTC 83

Search completed: February 27, 2006, 08:15:42  
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Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 27, 2006, 08:07:13 ; Search time 380 Seconds

(without alignments)  
435.230 Million cell updates/sec

**Title:** US-08-887-505B-28

Perfect score: 20

Sequence: 1 TTCGGAACCACTACTC 20

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 9793542 seqs, 4134689005 residues

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Minimum DB seq length: 0

Minimum DB seq length: 0  
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Post-processing: Listing first 1000 summaries

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10: /cgn2_6/ptodata/1/pubpna/US11_PUBCOMB.seq:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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2	20	100.0	20	2	US-08-887-505-119	Sequence 119, App
3	20	100.0	20	2	US-08-887-505-120	Sequence 120, App
4	20	100.0	20	2	US-08-887-505-121	Sequence 121, App
5	20	100.0	20	2	US-08-887-505-122	Sequence 122, App
6	20	100.0	20	2	US-08-887-505-123	Sequence 123, App
7	20	100.0	20	2	US-08-887-505-124	Sequence 124, App
8	20	100.0	20	2	US-08-887-505-125	Sequence 125, App
9	20	100.0	20	2	US-08-887-505-126	Sequence 126, App
10	20	100.0	20	2	US-08-887-505-127	Sequence 127, App
11	20	100.0	20	2	US-08-887-505-128	Sequence 128, App
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13	20	100.0	20	2	US-08-887-505-130	Sequence 130, App
14	20	100.0	24	2	US-08-887-505-75	Sequence 75, Appl
15	20	100.0	26	2	US-08-887-505-131	Sequence 131, App
C 16	20	100.0	27	6	US-10-407-952-4	Sequence 4, Appl
C 17	20	100.0	27	8	US-10-475-024-20	Sequence 20, Appl
C 18	20	100.0	27	9	US-10-475-026-20	Sequence 20, Appl
19	20	100.0	28	2	US-08-887-505-68	Sequence 68, Appl
20	20	100.0	28	2	US-08-887-505-74	Sequence 74, Appl
C 21	20	100.0	29	7	US-10-332-626-3	Sequence 3, Appl
C 22	20	100.0	40	3	US-09-790-417-181	Sequence 181, App
C 23	20	100.0	40	3	US-09-780-863-43	Sequence 43, Appl

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98	20	100.0	281	3	US-09-940-925A-129	Sequence 129, App	c 171	20	100.0	366	5	US-10-056-761-48	Sequence 48, Appl
99	20	100.0	281	3	US-09-940-925A-132	Sequence 132, App	c 172	20	100.0	366	6	US-10-422-050-48	Sequence 48, Appl
c 100	20	100.0	281	3	US-09-941-193A-121	Sequence 121, App	c 173	20	100.0	366	7	US-10-669-841-16198	Sequence 16198, A
c 101	20	100.0	281	3	US-09-941-193A-123	Sequence 123, App	c 174	20	100.0	374	7	US-10-324-409B-32	Sequence 32, Appl
c 102	20	100.0	281	3	US-09-941-193A-126	Sequence 126, App	c 175	20	100.0	383	9	US-10-626-879-9	Sequence 9, Appl
c 103	20	100.0	281	3	US-09-941-193A-127	Sequence 127, App	c 176	20	100.0	384	7	US-10-332-626-1	Sequence 1, Appl
c 104	20	100.0	281	3	US-09-941-193A-128	Sequence 128, App	c 177	20	100.0	386	3	US-09-940-925A-122	Sequence 122, App
c 105	20	100.0	281	3	US-09-941-193A-129	Sequence 129, App	c 178	20	100.0	386	3	US-09-941-193A-122	Sequence 122, App
c 106	20	100.0	281	3	US-09-941-193A-132	Sequence 132, App	c 179	20	100.0	386	3	US-10-409-594-122	Sequence 122, App
c 107	20	100.0	281	9	US-10-409-594-121	Sequence 121, App	c 180	20	100.0	393	6	US-10-276-513-5	Sequence 5, Appl
c 108	20	100.0	281	9	US-10-409-594-123	Sequence 123, App	c 181	20	100.0	412	6	US-10-276-513-4	Sequence 4, Appl
c 109	20	100.0	281	9	US-10-409-594-126	Sequence 126, App	c 182	20	100.0	652	3	US-09-851-138-59	Sequence 59, Appl
c 110	20	100.0	281	9	US-10-409-594-127	Sequence 127, App	c 183	20	100.0	685	3	US-09-853-409-37	Sequence 37, Appl
c 111	20	100.0	281	9	US-10-409-594-128	Sequence 128, App	c 184	20	100.0	685	7	US-10-457-304-37	Sequence 37, Appl
c 112	20	100.0	281	9	US-10-409-594-129	Sequence 129, App	c 185	20	100.0	685	7	US-10-454-293-37	Sequence 37, Appl
c 113	20	100.0	281	9	US-10-409-594-132	Sequence 132, App	c 186	20	100.0	2327	6	US-10-066-130-20	Sequence 20, Appl
c 114	20	100.0	282	3	US-09-940-925A-124	Sequence 124, App	c 187	20	100.0	2327	7	US-10-734-801-20	Sequence 20, Appl
c 115	20	100.0	282	3	US-09-940-925A-130	Sequence 130, App	c 188	20	100.0	2674	6	US-10-066-130-19	Sequence 19, Appl
c 116	20	100.0	282	3	US-09-941-193A-124	Sequence 124, App	c 189	20	100.0	2674	7	US-10-734-801-19	Sequence 19, Appl
c 117	20	100.0	282	3	US-09-941-193A-130	Sequence 130, App	c 190	20	100.0	2771	6	US-10-066-130-18	Sequence 18, Appl
c 118	20	100.0	282	9	US-10-409-594-124	Sequence 124, App	c 191	20	100.0	2771	7	US-10-734-801-18	Sequence 18, Appl
c 119	20	100.0	282	9	US-10-409-594-130	Sequence 130, App	c 192	20	100.0	5860	6	US-10-066-130-17	Sequence 17, Appl
c 120	20	100.0	286	3	US-09-825-574-21	Sequence 21, Appl	c 193	20	100.0	5860	7	US-10-734-801-17	Sequence 17, Appl
c 121	20	100.0	286	3	US-09-882-945A-21	Sequence 21, Appl	c 194	20	100.0	7989	6	US-10-434-842-16	Sequence 16, Appl
c 122	20	100.0	286	8	US-10-807-114-21	Sequence 21, Appl	c 195	20	100.0	7989	7	US-10-639-150-1	Sequence 1, Appl
c 123	20	100.0	286	8	US-10-655-362-21	Sequence 21, Appl	c 196	20	100.0	7989	8	US-10-897-648-17	Sequence 1, Appl
c 124	20	100.0	289	3	US-09-825-574-20	Sequence 20, Appl	c 197	20	100.0	7992	5	US-10-005-469-1	Sequence 1, Appl
c 125	20	100.0	289	3	US-09-825-574-23	Sequence 23, Appl	c 198	20	100.0	7992	5	US-10-005-469-2	Sequence 2, Appl
c 126	20	100.0	289	3	US-09-882-945A-20	Sequence 20, Appl	c 199	20	100.0	7992	5	US-10-005-469-4	Sequence 4, Appl
c 127	20	100.0	289	3	US-09-882-945A-23	Sequence 23, Appl	c 200	20	100.0	7992	5	US-10-005-469-5	Sequence 5, Appl
c 128	20	100.0	289	8	US-10-807-114-20	Sequence 20, Appl	c 201	20	100.0	7992	5	US-10-005-469-6	Sequence 6, Appl
c 129	20	100.0	289	8	US-10-807-114-23	Sequence 23, Appl	c 202	20	100.0	7992	6	US-10-434-842-1	Sequence 1, Appl
c 130	20	100.0	289	8	US-10-655-362-20	Sequence 20, Appl	c 203	20	100.0	7992	6	US-10-434-842-2	Sequence 2, Appl
c 131	20	100.0	289	8	US-10-655-362-23	Sequence 23, Appl	c 204	20	100.0	7992	6	US-10-434-842-4	Sequence 4, Appl
c 132	20	100.0	298	3	US-09-345-761-7	Sequence 7, Appl	c 205	20	100.0	7992	6	US-10-434-842-5	Sequence 5, Appl
c 133	20	100.0	298	7	US-10-687-588-7	Sequence 7, Appl	c 206	20	100.0	7992	6	US-10-434-842-6	Sequence 6, Appl
c 134	20	100.0	299	6	US-10-230-381-1	Sequence 1, Appl	c 207	20	100.0	7992	6	US-10-434-842-15	Sequence 15, Appl
c 135	20	100.0	305	9	US-10-363-177A-63	Sequence 63, Appl	c 208	20	100.0	7992	6	US-10-434-842-17	Sequence 17, Appl
c 136	20	100.0	305	9	US-10-363-177A-64	Sequence 64, Appl	c 209	20	100.0	7995	5	US-10-005-469-3	Sequence 3, Appl
c 137	20	100.0	305	9	US-10-363-177A-68	Sequence 68, Appl	c 210	20	100.0	7995	6	US-10-434-842-3	Sequence 3, Appl
c 138	20	100.0	315	3	US-09-345-761-6	Sequence 6, Appl	c 211	20	100.0	8085	9	US-10-510-912-2	Sequence 2, Appl
c 139	20	100.0	315	7	US-10-687-588-6	Sequence 6, Appl	c 212	20	100.0	8451	7	US-10-475-989-3	Sequence 3, Appl
c 140	20	100.0	328	3	US-09-882-945A-240	Sequence 240, App	c 213	20	100.0	8638	5	US-10-029-907-6	Sequence 6, Appl
c 141	20	100.0	328	3	US-09-882-945A-242	Sequence 242, App	c 214	20	100.0	8638	5	US-10-029-907-7	Sequence 7, Appl
c 142	20	100.0	328	3	US-09-882-945A-245	Sequence 245, App	c 215	20	100.0	8638	5	US-10-029-907-24	Sequence 24, Appl
c 143	20	100.0	328	8	US-10-475-024-18	Sequence 18, Appl	c 216	20	100.0	8638	5	US-10-029-907-25	Sequence 25, Appl
c 144	20	100.0	328	8	US-10-807-114-240	Sequence 240, App	c 217	20	100.0	8638	6	US-10-309-561-6	Sequence 6, Appl
c 145	20	100.0	328	8	US-10-807-114-242	Sequence 242, App	c 218	20	100.0	8638	6	US-10-309-561-7	Sequence 7, Appl
c 146	20	100.0	328	8	US-10-807-114-245	Sequence 245, App	c 219	20	100.0	8638	6	US-10-309-561-24	Sequence 24, Appl
c 147	20	100.0	328	9	US-10-475-026-18	Sequence 18, Appl	c 220	20	100.0	8638	6	US-10-309-561-25	Sequence 25, Appl
c 148	20	100.0	337	3	US-09-940-244-45	Sequence 45, Appl	c 221	20	100.0	8638	8	US-10-789-355-6	Sequence 6, Appl
c 149	20	100.0	337	3	US-09-982-667-56	Sequence 56, Appl	c 222	20	100.0	8638	8	US-10-789-355-7	Sequence 7, Appl
c 150	20	100.0	337	3	US-09-732-622A-45	Sequence 45, Appl	c 223	20	100.0	8638	8	US-10-789-355-24	Sequence 24, Appl
c 151	20	100.0	337	5	US-10-033-297-45	Sequence 45, Appl	c 224	20	100.0	8638	8	US-10-789-355-25	Sequence 25, Appl
c 152	20	100.0	337	5	US-10-081-806-56	Sequence 56, Appl	c 225	20	100.0	8638	8	US-10-686-835-6	Sequence 6, Appl
c 153	20	100.0	337	6	US-10-142-283-136	Sequence 136, App	c 226	20	100.0	8638	8	US-10-686-835-7	Sequence 7, Appl
c 154	20	100.0	337	6	US-10-290-386-45	Sequence 45, Appl	c 227	20	100.0	8638	8	US-10-686-835-24	Sequence 24, Appl
c 155	20	100.0	337	7	US-10-356-861-45	Sequence 45, Appl	c 228	20	100.0	8638	8	US-10-686-835-25	Sequence 25, Appl
c 156	20	100.0	337	8	US-10-309-593-45	Sequence 45, Appl	c 229	20	100.0	8639	5	US-10-029-907-1	Sequence 1, Appl
c 157	20	100.0	337	8	US-10-897-784-45	Sequence 45, Appl	c 230	20	100.0	8639	6	US-10-309-561-1	Sequence 1, Appl
c 158	20	100.0	337	8	US-10-783-557-45	Sequence 45, Appl	c 231	20	100.0	8639	8	US-10-789-355-1	Sequence 1, Appl
c 159	20	100.0	337	10	US-11-103-943-56	Sequence 56, Appl	c 232	20	100.0	8639	8	US-10-686-835-1	Sequence 1, Appl
c 160	20	100.0	341	3	US-09-814-232-44	Sequence 44, Appl	c 233	20	100.0	8642	5	US-10-029-907-2	Sequence 2, Appl
c 161	20	100.0	341	3	US-09-814-357-3	Sequence 3, Appl	c 234	20	100.0	8642	6	US-10-309-561-2	Sequence 2, Appl
c 162	20	100.0	341	3	US-09-814-351-3	Sequence 3, Appl	c 235	20	100.0	8642	8	US-10-789-355-2	Sequence 2, Appl
c 163	20	100.0	341	6	US-10-259-275-35	Sequence 35, Appl	c 236	20	100.0	8642	8	US-10-686-835-2	Sequence 2, Appl
c 164	20	100.0	341	7	US-10-691-045-3	Sequence 3, Appl	c 237	20	100.0	8643	5	US-10-029-907-4	Sequence 4, Appl
c 165	20	100.0	341	10	US-11-006-313-35	Sequence 35, Appl	c 238	20	100.0	8643	6	US-10-309-561-4	Sequence 4, Appl
c 166	20	100.0	347	6	US-10-132-235-1	Sequence 1, Appl	c 239	20	100.0	8643	8	US-10-789-355-4	Sequence 4, Appl
c 167	20	100.0	366	3	US-09-877-526A-48	Sequence 48, Appl	c 240	20	100.0	8643	8	US-10-686-835-4	Sequence 4, Appl
c 168	20	100.0	366	3	US-09-992-160-48	Sequence 48, Appl	c 241	20	100.0	8648	5	US-10-029-907-5	Sequence 5, Appl
c 169	20	100.0	366	3	US-09-740-332-9701	Sequence 9701, Ap	c 242	20	100.0	8648	6	US-10-309-561-5	Sequence 5, Appl



C 389	19	95.0	178	3	US-09-294-121A-71	Sequence 71, Appl	C 462	15	75.0	15	3	US-09-504-231A-39	Sequence 39, Appl
C 390	19	95.0	178	3	US-09-294-121A-81	Sequence 81, Appl	C 463	15	75.0	15	3	US-09-274-553D-39	Sequence 39, Appl
C 391	19	95.0	178	3	US-09-899-082A-59	Sequence 59, Appl	C 464	15	75.0	15	3	US-09-740-332-4584	Sequence 4584, Ap
C 392	19	95.0	178	3	US-09-899-082A-60	Sequence 60, Appl	C 465	15	75.0	15	3	US-09-740-332-4586	Sequence 4586, Ap
C 393	19	95.0	178	3	US-09-899-082A-71	Sequence 71, Appl	C 466	15	75.0	15	3	US-09-817-879-4584	Sequence 4584, Ap
C 394	19	95.0	178	3	US-09-899-082A-81	Sequence 81, Appl	C 467	15	75.0	15	3	US-09-817-879-4586	Sequence 4586, Ap
C 395	19	95.0	178	3	US-09-899-302-59	Sequence 59, Appl	C 468	15	75.0	15	7	US-10-669-841-7177	Sequence 7177, Ap
C 396	19	95.0	178	3	US-09-899-302-60	Sequence 60, Appl	C 469	15	75.0	15	7	US-10-669-841-7179	Sequence 7179, Ap
C 397	19	95.0	178	3	US-09-899-302-71	Sequence 71, Appl	C 470	15	75.0	15	3	US-09-825-805-14	Sequence 14, Appl
C 398	19	95.0	178	3	US-09-899-302-81	Sequence 81, Appl	C 471	15	75.0	17	3	US-09-740-332-4497	Sequence 4497, Ap
C 399	19	95.0	178	3	US-09-899-044-59	Sequence 59, Appl	C 472	15	75.0	17	3	US-09-740-332-4499	Sequence 4499, Ap
C 400	19	95.0	178	3	US-09-899-044-60	Sequence 60, Appl	C 473	15	75.0	17	3	US-09-817-879-4497	Sequence 4497, Ap
C 401	19	95.0	178	3	US-09-899-044-71	Sequence 71, Appl	C 474	15	75.0	17	3	US-09-817-879-4499	Sequence 4499, Ap
C 402	19	95.0	178	3	US-09-899-044-81	Sequence 81, Appl	C 475	15	75.0	17	7	US-10-669-841-7090	Sequence 7090, Ap
C 403	19	95.0	178	8	US-10-822-711-59	Sequence 59, Appl	C 476	15	75.0	17	7	US-10-669-841-7092	Sequence 7092, Ap
C 404	19	95.0	178	8	US-10-822-711-60	Sequence 60, Appl	C 477	15	75.0	19	8	US-10-667-271-154	Sequence 154, App
C 405	19	95.0	178	8	US-10-822-711-71	Sequence 71, Appl	C 478	15	75.0	19	8	US-10-667-271-170	Sequence 170, App
C 406	19	95.0	178	8	US-10-822-711-81	Sequence 81, Appl	C 479	15	75.0	19	8	US-10-667-271-850	Sequence 850, App
C 407	18	90.0	18	2	US-08-887-505-112	Sequence 112, App	C 480	15	75.0	19	8	US-10-667-271-866	Sequence 866, App
C 408	18	90.0	18	2	US-08-887-505-115	Sequence 115, App	C 481	15	75.0	19	9	US-10-942-560-154	Sequence 154, App
C 409	18	90.0	19	8	US-10-667-271-150	Sequence 150, App	C 482	15	75.0	19	9	US-10-942-560-170	Sequence 170, App
C 410	18	90.0	19	8	US-10-667-271-151	Sequence 151, App	C 483	15	75.0	19	9	US-10-942-560-850	Sequence 850, App
C 411	18	90.0	19	8	US-10-667-271-846	Sequence 846, App	C 484	15	75.0	19	9	US-10-942-560-866	Sequence 866, App
C 412	18	90.0	19	8	US-10-667-271-847	Sequence 847, App	C 485	15	75.0	20	3	US-09-935-338-290	Sequence 290, App
C 413	18	90.0	19	9	US-10-942-560-150	Sequence 150, App	C 486	15	75.0	20	9	US-10-929-759-290	Sequence 290, App
C 414	18	90.0	19	9	US-10-942-560-151	Sequence 151, App	C 487	15	75.0	20	9	US-10-973-919-290	Sequence 290, App
C 415	18	90.0	19	9	US-10-942-560-846	Sequence 846, App	C 488	15	75.0	25	5	US-10-098-263B-54576	Sequence 54576, A
C 416	18	90.0	19	9	US-10-942-560-847	Sequence 847, App	C 489	15	75.0	25	10	US-11-036-317-728914	Sequence 728914, A
C 417	18	90.0	20	2	US-08-887-505-27	Sequence 27, Appl	C 490	15	75.0	45	3	US-09-728-265-23	Sequence 23, Appl
C 418	18	90.0	20	2	US-08-887-505-29	Sequence 29, Appl	C 491	15	75.0	45	3	US-09-978-261A-23	Sequence 23, Appl
C 419	18	90.0	20	3	US-09-888-164-9	Sequence 9, Appl	C 492	15	75.0	45	6	US-10-309-438-23	Sequence 23, Appl
C 420	18	90.0	20	7	US-10-318-416B-20	Sequence 20, Appl	C 493	15	75.0	45	7	US-10-719-480-23	Sequence 23, Appl
C 421	18	90.0	25	7	US-10-318-416B-8	Sequence 8, Appl	C 494	15	75.0	267	9	US-10-363-177A-69	Sequence 69, Appl
C 422	18	90.0	39	3	US-09-292-563-9	Sequence 9, Appl	C 495	15	75.0	599	9	US-10-972-079-96140	Sequence 96140, A
C 423	18	90.0	39	3	US-09-979-999-9	Sequence 9, Appl	C 496	15	75.0	600	9	US-10-972-079-96141	Sequence 96141, A
C 424	17	85.0	17	2	US-08-887-505-113	Sequence 113, App	C 497	15	75.0	639	8	US-10-425-115-129831	Sequence 129831, A
C 425	17	85.0	17	2	US-08-887-505-116	Sequence 116, App	C 498	15	75.0	695	9	US-10-472-157-5	Sequence 5, Appl
C 426	17	85.0	17	3	US-09-740-332-4498	Sequence 4498, Ap	C 499	15	75.0	2445	7	US-10-425-114-25176	Sequence 25176, A
C 427	17	85.0	17	3	US-09-817-879-4498	Sequence 4498, Ap	C 500	15	75.0	3177	8	US-10-425-115-49248	Sequence 49248, A
C 428	17	85.0	17	3	US-10-669-841-7091	Sequence 7091, Ap	C 501	14	70.0	15	3	US-09-504-231A-1546	Sequence 1546, Ap
C 429	17	85.0	19	8	US-10-667-271-153	Sequence 153, App	C 502	14	70.0	15	3	US-09-274-553D-1546	Sequence 1546, Ap
C 430	17	85.0	19	8	US-10-667-271-156	Sequence 156, App	C 503	14	70.0	16	3	US-09-825-805-15	Sequence 15, Appl
C 431	17	85.0	19	8	US-10-667-271-849	Sequence 849, App	C 504	14	70.0	17	3	US-09-740-332-56	Sequence 56, Appl
C 432	17	85.0	19	8	US-10-667-271-852	Sequence 852, App	C 505	14	70.0	17	3	US-09-817-879-56	Sequence 56, Appl
C 433	17	85.0	19	9	US-10-942-560-153	Sequence 153, App	C 506	14	70.0	17	6	US-10-150-779A-7	Sequence 7, Appl
C 434	17	85.0	19	9	US-10-942-560-156	Sequence 156, App	C 507	14	70.0	17	6	US-10-080-979-67	Sequence 67, Appl
C 435	17	85.0	19	9	US-10-942-560-849	Sequence 849, App	C 508	14	70.0	17	7	US-10-669-841-2649	Sequence 2649, Ap
C 436	17	85.0	19	9	US-10-942-560-852	Sequence 852, App	C 509	14	70.0	19	8	US-10-667-271-161	Sequence 161, App
C 437	17	85.0	20	2	US-08-887-505-117	Sequence 117, App	C 510	14	70.0	19	8	US-10-667-271-177	Sequence 177, App
C 438	17	85.0	177	6	US-10-396-964-18	Sequence 18, Appl	C 511	14	70.0	19	8	US-10-667-271-857	Sequence 857, App
C 439	16	80.0	16	2	US-08-887-505-76	Sequence 76, Appl	C 512	14	70.0	19	8	US-10-667-271-873	Sequence 873, App
C 440	16	80.0	17	3	US-09-740-332-57	Sequence 57, Appl	C 513	14	70.0	19	9	US-10-942-560-161	Sequence 161, App
C 441	16	80.0	17	3	US-09-740-332-58	Sequence 58, Appl	C 514	14	70.0	19	9	US-10-942-560-177	Sequence 177, App
C 442	16	80.0	17	3	US-09-817-879-57	Sequence 57, Appl	C 515	14	70.0	19	9	US-10-942-560-857	Sequence 857, App
C 443	16	80.0	17	3	US-09-817-879-58	Sequence 58, Appl	C 516	14	70.0	19	9	US-10-942-560-873	Sequence 873, App
C 444	16	80.0	17	7	US-10-669-841-2650	Sequence 2650, Ap	C 517	14	70.0	20	2	US-08-887-505-25	Sequence 25, Appl
C 445	16	80.0	17	7	US-10-669-841-2651	Sequence 2651, Ap	C 518	14	70.0	20	2	US-08-887-505-31	Sequence 31, Appl
C 446	16	80.0	19	8	US-10-667-271-146	Sequence 146, App	C 519	14	70.0	23	7	US-10-318-416B-29	Sequence 29, Appl
C 447	16	80.0	19	8	US-10-667-271-164	Sequence 164, App	C 520	14	70.0	31	8	US-10-782-646-6	Sequence 6, Appl
C 448	16	80.0	19	8	US-10-667-271-842	Sequence 842, App	C 521	14	70.0	31	8	US-10-782-646-7	Sequence 7, Appl
C 449	16	80.0	19	8	US-10-667-271-860	Sequence 860, App	C 522	14	70.0	317	9	US-10-651-991-259	Sequence 259, App
C 450	16	80.0	19	9	US-10-942-560-146	Sequence 146, App	C 523	14	70.0	431	7	US-10-424-599-126266	Sequence 126266, A
C 451	16	80.0	19	9	US-10-942-560-164	Sequence 164, App	C 524	14	70.0	454	8	US-10-425-115-12339	Sequence 12339, A
C 452	16	80.0	19	9	US-10-942-560-842	Sequence 842, App	C 525	14	70.0	482	7	US-10-424-599-115670	Sequence 115670, A
C 453	16	80.0	19	9	US-10-942-560-860	Sequence 860, App	C 526	14	70.0	486	5	US-10-027-632-177422	Sequence 177422, A
C 454	16	80.0	20	2	US-08-887-505-26	Sequence 26, Appl	C 527	14	70.0	486	6	US-10-027-632-177422	Sequence 177422, A
C 455	16	80.0	20	2	US-08-887-505-30	Sequence 30, Appl	C 528	14	70.0	592	8	US-10-425-115-100618	Sequence 100618, A
C 456	16	80.0	20	3	US-09-888-164-11	Sequence 11, Appl	C 529	14	70.0	641	4	US-09-925-065A-913908	Sequence 913908, A
C 457	16	80.0	20	6	US-10-080-979-13	Sequence 13, Appl	C 530	14	70.0	646	4	US-09-925-065A-891128	Sequence 891128, A
C 458	16	80.0	20	6	US-10-443-824-13	Sequence 13, Appl	C 531	14	70.0	646	4	US-09-925-065A-891130	Sequence 891130, A
C 459	16	80.0	20	6	US-10-780-439-13	Sequence 13, Appl	C 532	14	70.0	646	4	US-09-925-065A-914246	Sequence 914246, A
C 460	16	80.0	25	2	US-08-887-505-133	Sequence 133, App	C 533	14	70.0	765	8	US-10-425-115-108563	Sequence 108563, A
C 461	16	80.0	151	4	US-09-925-065A-537858	Sequence 537858, A	C 534	14	70.0	924	7	US-10-282-122A-34798	Sequence 34798, A

C 535	14	70.0	930	7	US-10-724-972A-2100	Sequence 2100, Ap	608	13	65.0	248	8	US-10-357-930-35571	Sequence 35571, A
C 536	14	70.0	1634	8	US-10-363-345A-35713	Sequence 35713, A	609	13	65.0	248	8	US-10-357-930-44380	Sequence 44380, A
C 537	14	70.0	1634	8	US-10-363-345A-35714	Sequence 35714, A	610	13	65.0	314	5	US-10-040-739-988	Sequence 988, App
C 538	14	70.0	1634	9	US-10-363-483A-35713	Sequence 35713, A	611	13	65.0	317	7	US-10-424-599-102656	Sequence 102656, A
C 539	14	70.0	1634	9	US-10-363-483A-35714	Sequence 35714, A	612	13	65.0	325	8	US-10-425-115-79565	Sequence 79565, A
C 540	14	70.0	2000	3	US-09-938-842A-4582	Sequence 4582, Ap	613	13	65.0	418	9	US-10-450-763-20290	Sequence 20290, A
C 541	14	70.0	2000	3	US-09-938-842A-4582	Sequence 4582, Ap	614	13	65.0	427	7	US-10-424-599-27740	Sequence 27740, A
C 542	14	70.0	2352	5	US-10-151-668-14	Sequence 14, Appl	615	13	65.0	429	7	US-10-424-599-99229	Sequence 99229, A
C 543	14	70.0	3270	7	US-10-424-599-82545	Sequence 82545, A	616	13	65.0	438	7	US-10-276-774-1261	Sequence 1261, Ap
C 544	14	70.0	5020	8	US-10-473-126-245	Sequence 245, App	617	13	65.0	439	4	US-09-925-065A-192718	Sequence 192718, A
C 545	14	70.0	5506	6	US-10-311-455-1712	Sequence 1712, Ap	618	13	65.0	439	4	US-09-925-065A-192719	Sequence 192719, A
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C 547	14	70.0	6224	6	US-10-311-455-1281	Sequence 1281, Ap	620	13	65.0	444	4	US-09-925-065A-156076	Sequence 156076, A
C 548	14	70.0	6224	6	US-10-240-452-55	Sequence 55, Appl	621	13	65.0	471	8	US-10-357-930-14463	Sequence 14463, A
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C 550	14	70.0	9707	6	US-10-311-455-1394	Sequence 1394, Ap	623	13	65.0	515	4	US-09-925-065A-471258	Sequence 471258, A
C 551	14	70.0	10717	6	US-10-311-455-1667	Sequence 1667, Ap	624	13	65.0	515	4	US-09-925-065A-471259	Sequence 471259, A
C 552	14	70.0	15609	7	US-10-302-547-131	Sequence 131, App	625	13	65.0	516	4	US-09-925-065A-63991	Sequence 63991, A
C 553	14	70.0	17959	6	US-10-311-455-548	Sequence 548, Appl	626	13	65.0	526	5	US-09-925-065A-613841	Sequence 613841, A
C 554	14	70.0	17959	6	US-10-240-452-42	Sequence 42, Appl	627	13	65.0	526	5	US-10-027-632-34490	Sequence 34490, A
C 555	14	70.0	23683	6	US-10-459-262A-2	Sequence 175, App	628	13	65.0	526	5	US-10-027-632-34490	Sequence 34490, A
C 556	14	70.0	49600	7	US-10-459-262A-2	Sequence 2, Appl	629	13	65.0	542	7	US-10-767-701-611	Sequence 611, App
C 557	13	65.0	13	3	US-09-740-332-4595	Sequence 4585, Ap	630	13	65.0	544	4	US-09-925-065A-277711	Sequence 277711, A
C 558	13	65.0	13	3	US-09-740-332-4595	Sequence 4611, Ap	631	13	65.0	553	4	US-09-925-065A-844056	Sequence 844056, A
C 559	13	65.0	13	3	US-09-817-879-4585	Sequence 4585, Ap	632	13	65.0	553	4	US-09-925-065A-844057	Sequence 844057, A
C 560	13	65.0	13	3	US-09-817-879-4611	Sequence 4611, Ap	633	13	65.0	556	5	US-10-027-632-221846	Sequence 221846, A
C 561	13	65.0	13	3	US-10-669-841-7178	Sequence 7178, Ap	634	13	65.0	556	5	US-10-027-632-221846	Sequence 221846, A
C 562	13	65.0	13	7	US-10-669-841-7204	Sequence 7204, Ap	635	13	65.0	558	3	US-09-974-300-2454	Sequence 2454, Ap
C 563	13	65.0	13	8	US-10-257-017B-65153	Sequence 65153, A	636	13	65.0	559	4	US-09-925-065A-666339	Sequence 666339, A
C 564	13	65.0	13	8	US-10-257-017B-65154	Sequence 65154, A	637	13	65.0	576	3	US-09-809-545A-61	Sequence 61, Appl
C 565	13	65.0	15	3	US-09-504-231A-11	Sequence 11, Appl	638	13	65.0	576	3	US-09-809-545A-61	Sequence 61, Appl
C 566	13	65.0	15	3	US-09-274-553D-11	Sequence 11, Appl	639	13	65.0	577	5	US-10-959-440-61	Sequence 61, Appl
C 567	13	65.0	15	3	US-09-740-332-4610	Sequence 4610, Ap	640	13	65.0	577	5	US-10-027-632-222350	Sequence 222350, A
C 568	13	65.0	15	3	US-09-817-879-4610	Sequence 4610, Ap	641	13	65.0	581	5	US-10-027-632-222350	Sequence 222350, A
C 569	13	65.0	15	7	US-10-669-841-7203	Sequence 7203, Ap	642	13	65.0	581	5	US-10-027-632-59203	Sequence 59203, A
C 570	13	65.0	17	3	US-09-888-164-12	Sequence 12, Appl	643	13	65.0	581	5	US-10-027-632-309172	Sequence 309172, A
C 571	13	65.0	17	3	US-09-888-164-13	Sequence 13, Appl	644	13	65.0	581	6	US-10-027-632-58196	Sequence 58196, A
C 572	13	65.0	17	3	US-09-740-333-59	Sequence 59, Appl	645	13	65.0	581	6	US-10-027-632-309172	Sequence 309172, A
C 573	13	65.0	17	3	US-09-817-879-59	Sequence 59, Appl	646	13	65.0	581	6	US-10-027-632-309172	Sequence 309172, A
C 574	13	65.0	17	3	US-09-817-879-59	Sequence 59, Appl	647	13	65.0	584	8	US-10-363-345A-7095	Sequence 7095, Ap
C 575	13	65.0	18	7	US-10-669-841-2652	Sequence 2652, Ap	648	13	65.0	584	8	US-10-363-345A-7095	Sequence 7095, Ap
C 576	13	65.0	19	3	US-09-802-110B-75	Sequence 75, Appl	649	13	65.0	584	8	US-10-363-345A-17085	Sequence 17085, A
C 577	13	65.0	19	8	US-10-667-271-157	Sequence 157, Appl	650	13	65.0	584	8	US-10-363-345A-17086	Sequence 17086, A
C 578	13	65.0	19	8	US-10-667-271-165	Sequence 165, Appl	651	13	65.0	584	8	US-10-363-345A-17086	Sequence 17086, A
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C 580	13	65.0	19	8	US-10-667-271-861	Sequence 861, App	653	13	65.0	584	9	US-10-363-483A-7095	Sequence 7095, Ap
C 581	13	65.0	19	9	US-10-478-633A-86	Sequence 86, Appl	654	13	65.0	584	9	US-10-363-483A-17085	Sequence 17085, A
C 582	13	65.0	19	9	US-10-478-633A-88	Sequence 88, Appl	655	13	65.0	585	4	US-09-925-065A-690825	Sequence 690825, A
C 583	13	65.0	19	9	US-10-942-560-157	Sequence 157, Appl	656	13	65.0	587	4	US-09-925-065A-515750	Sequence 515750, A
C 584	13	65.0	19	9	US-10-942-560-165	Sequence 165, App	657	13	65.0	587	4	US-09-925-065A-515751	Sequence 515751, A
C 585	13	65.0	19	9	US-10-942-560-853	Sequence 853, App	658	13	65.0	587	4	US-09-925-065A-557660	Sequence 557660, A
C 586	13	65.0	21	3	US-10-942-560-861	Sequence 861, App	659	13	65.0	587	4	US-09-925-065A-557661	Sequence 557661, A
C 587	13	65.0	21	3	US-09-875-945-13	Sequence 13, Appl	660	13	65.0	589	5	US-10-062-254-193	Sequence 193, App
C 588	13	65.0	24	7	US-10-318-416B-37	Sequence 37, Appl	661	13	65.0	594	9	US-10-450-763-2461	Sequence 2461, App
C 589	13	65.0	24	7	US-10-318-416B-37	Sequence 37, Appl	662	13	65.0	598	5	US-10-027-632-241519	Sequence 241519, A
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C 591	13	65.0	25	7	US-10-719-956-153500	Sequence 153500, A	664	13	65.0	600	4	US-09-925-065A-128517	Sequence 128517, A
C 592	13	65.0	25	7	US-10-719-956-290643	Sequence 290643, A	665	13	65.0	600	4	US-09-925-065A-256872	Sequence 256872, A
C 593	13	65.0	25	7	US-10-719-956-290643	Sequence 290643, A	666	13	65.0	600	9	US-10-972-079-67143	Sequence 67143, A
C 594	13	65.0	25	7	US-10-719-956-624555	Sequence 624555, A	667	13	65.0	600	9	US-10-972-079-67144	Sequence 67144, A
C 595	13	65.0	54	3	US-09-877-526A-28	Sequence 28, Appl	668	13	65.0	600	9	US-10-972-079-67145	Sequence 67145, A
C 596	13	65.0	54	3	US-09-992-160-28	Sequence 28, Appl	669	13	65.0	602	3	US-09-770-149-960	Sequence 960, App
C 597	13	65.0	54	6	US-10-056-761-28	Sequence 28, Appl	670	13	65.0	602	4	US-09-925-065A-128518	Sequence 128518, A
C 598	13	65.0	54	6	US-10-422-050-28	Sequence 28, Appl	671	13	65.0	604	7	US-10-424-599-86062	Sequence 86062, A
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C 600	13	65.0	72	5	US-09-992-160-29	Sequence 29, Appl	673	13	65.0	624	4	US-09-925-065A-575680	Sequence 575680, A
C 601	13	65.0	72	5	US-10-056-761-29	Sequence 29, Appl	674	13	65.0	630	5	US-10-027-632-105352	Sequence 105352, A
C 602	13	65.0	72	6	US-10-422-050-29	Sequence 29, Appl	675	13	65.0	630	5	US-10-027-632-105352	Sequence 105352, A
C 603	13	65.0	183	3	US-10-424-599-49538	Sequence 49538, A	676	13	65.0	630	5	US-10-027-632-105352	Sequence 105352, A
C 604	13	65.0	201	8	US-10-719-993-26087	Sequence 26087, A	677	13	65.0	630	6	US-10-027-632-137858	Sequence 137858, A
C 605	13	65.0	201	8	US-10-741-600-36375	Sequence 36375, A	678	13	65.0	633	4	US-09-925-065A-762369	Sequence 762369, A
C 606	13	65.0	207	7	US-10-275-026A-199	Sequence 199, App	679	13	65.0	641	8	US-10-363-345A-11625	Sequence 11625, A
C 607	13	65.0	222	8	US-10-357-930-5394	Sequence 5394, A	680	13	65.0	641	8	US-10-363-345A-11626	Sequence 11626, A
C 608	13	65.0	246	7	US-10-424-599-27321	Sequence 27321, A							

C 681	13	65.0	641	9	US-10-363-483A-11625	Sequence 11625, A	754	13	65.0	2562	7	US-10-322-281-415	Sequence 415, App
C 682	13	65.0	641	9	US-10-363-483A-11626	Sequence 11626, A	755	13	65.0	2583	9	US-10-450-763-20291	Sequence 20291, A
C 683	13	65.0	643	9	US-09-925-065A-672082	Sequence 672082, A	756	13	65.0	3183	3	US-10-094-743-188	Sequence 188, App
C 684	13	65.0	643	4	US-09-925-065A-672083	Sequence 672083, A	757	13	65.0	3329	3	US-09-858-081-8	Sequence 8, Appl
C 685	13	65.0	661	8	US-10-425-115-181295	Sequence 181295, A	758	13	65.0	3402	3	US-09-858-068-3	Sequence 3, Appl
C 686	13	65.0	669	4	US-09-925-065A-871292	Sequence 871292, A	759	13	65.0	3403	3	US-09-858-081-1	Sequence 1, Appl
C 687	13	65.0	677	8	US-10-767-793-3213	Sequence 3213, A	760	13	65.0	3403	3	US-09-858-068-1	Sequence 1, Appl
C 688	13	65.0	711	8	US-10-363-345A-32355	Sequence 32355, A	761	13	65.0	3471	3	US-09-858-081-11	Sequence 11, Appl
C 689	13	65.0	711	8	US-10-363-345A-32356	Sequence 32356, A	762	13	65.0	3571	7	US-10-302-172-411	Sequence 411, App
C 690	13	65.0	711	8	US-10-363-483A-32355	Sequence 32355, A	763	13	65.0	3661	5	US-10-128-714-5248	Sequence 5248, App
C 691	13	65.0	711	8	US-10-363-483A-32356	Sequence 32356, A	764	13	65.0	4146	9	US-10-831-070-187	Sequence 187, App
C 692	13	65.0	712	8	US-10-363-345A-9666	Sequence 9666, A	765	13	65.0	4253	7	US-10-467-042-25	Sequence 25, Appl
C 693	13	65.0	712	8	US-10-363-345A-9666	Sequence 9666, A	766	13	65.0	4253	10	US-11-046-868-25	Sequence 25, Appl
C 694	13	65.0	712	9	US-10-363-483A-9666	Sequence 9666, A	767	13	65.0	5433	10	US-11-097-143-3737	Sequence 3737, App
C 695	13	65.0	712	9	US-10-363-483A-9666	Sequence 9666, A	768	13	65.0	5433	6	US-10-311-455-1513	Sequence 1513, App
C 696	13	65.0	731	5	US-10-027-632-15716	Sequence 15716, A	769	13	65.0	5883	6	US-10-311-455-1706	Sequence 1706, App
C 697	13	65.0	731	5	US-10-027-632-15716	Sequence 15716, A	770	13	65.0	5891	6	US-10-311-455-1412	Sequence 1412, App
C 698	13	65.0	761	5	US-10-062-254-195	Sequence 195, App	771	13	65.0	6352	7	US-10-221-613-195	Sequence 195, App
C 699	13	65.0	774	5	US-10-027-632-16704	Sequence 16704, A	772	13	65.0	6381	10	US-11-097-143-21862	Sequence 21862, A
C 700	13	65.0	774	5	US-10-027-632-16705	Sequence 16705, A	773	13	65.0	7002	10	US-11-097-143-11741	Sequence 11741, A
C 701	13	65.0	774	5	US-10-027-632-16706	Sequence 16706, A	774	13	65.0	7018	6	US-10-062-674-1565	Sequence 1565, App
C 702	13	65.0	774	6	US-10-027-632-16704	Sequence 16704, A	775	13	65.0	7162	10	US-11-037-143-3736	Sequence 3736, App
C 703	13	65.0	774	6	US-10-027-632-16705	Sequence 16705, A	776	13	65.0	7297	10	US-11-037-143-3736	Sequence 3736, App
C 704	13	65.0	774	6	US-10-027-632-16706	Sequence 16706, A	777	13	65.0	10637	10	US-11-037-143-3736	Sequence 3736, App
C 705	13	65.0	775	5	US-10-027-632-16705	Sequence 16705, A	778	13	65.0	12046	6	US-10-311-455-1606	Sequence 1606, App
C 706	13	65.0	775	5	US-10-027-632-16706	Sequence 16706, A	779	13	65.0	14756	6	US-10-017-161-2171	Sequence 2171, App
C 707	13	65.0	775	6	US-10-027-632-16704	Sequence 16704, A	780	13	65.0	14756	6	US-10-292-798-1817	Sequence 1817, App
C 708	13	65.0	775	6	US-10-027-632-16705	Sequence 16705, A	781	13	65.0	17131	6	US-10-311-455-1025	Sequence 1025, App
C 709	13	65.0	876	8	US-10-363-345A-25375	Sequence 25375, A	782	13	65.0	17220	6	US-10-603-494-184	Sequence 184, App
C 710	13	65.0	876	8	US-10-363-345A-25376	Sequence 25376, A	783	13	65.0	25871	8	US-10-741-600-17660	Sequence 17660, A
C 711	13	65.0	876	9	US-10-363-483A-25375	Sequence 25375, A	784	13	65.0	33281	9	US-11-097-143-12232	Sequence 12232, A
C 712	13	65.0	948	7	US-10-425-114-21574	Sequence 21574, A	785	13	65.0	36471	9	US-10-915-740A-1	Sequence 1, Appl
C 713	13	65.0	960	7	US-10-282-122A-32602	Sequence 32602, A	786	13	65.0	48829	5	US-10-087-192-1531	Sequence 1531, App
C 714	13	65.0	1094	5	US-10-027-632-31865	Sequence 31865, A	787	13	65.0	54732	7	US-10-322-281-414	Sequence 414, App
C 715	13	65.0	1094	5	US-10-027-632-31866	Sequence 31866, A	788	13	65.0	58909	7	US-10-672-787-30	Sequence 30, Appl
C 716	13	65.0	1094	6	US-10-027-632-31865	Sequence 31865, A	789	13	65.0	59748	7	US-10-322-281-296	Sequence 296, App
C 717	13	65.0	1094	6	US-10-027-632-31866	Sequence 31866, A	790	13	65.0	68571	6	US-10-401-194-1	Sequence 1, Appl
C 718	13	65.0	1162	8	US-10-363-345A-36831	Sequence 36831, A	791	13	65.0	98300	9	US-10-723-939-2	Sequence 2, Appl
C 719	13	65.0	1162	8	US-10-363-345A-36832	Sequence 36832, A	792	13	65.0	104900	9	US-10-461-862-64	Sequence 64, Appl
C 720	13	65.0	1162	9	US-10-363-483A-36831	Sequence 36831, A	793	13	65.0	107280	7	US-10-322-281-155	Sequence 155, App
C 721	13	65.0	1162	9	US-10-363-483A-36832	Sequence 36832, A	794	13	65.0	129297	9	US-10-737-082-89	Sequence 89, Appl
C 722	13	65.0	1162	9	US-10-363-483A-36832	Sequence 36832, A	795	13	65.0	129297	9	US-10-765-790-89	Sequence 89, Appl
C 723	13	65.0	1173	3	US-09-938-842A-883	Sequence 883, App	796	13	65.0	149062	7	US-10-367-094-93	Sequence 93, Appl
C 724	13	65.0	1173	3	US-09-938-842A-883	Sequence 883, App	797	13	65.0	216929	7	US-10-741-601-5727	Sequence 5727, App
C 725	13	65.0	1205	7	US-10-425-114-21667	Sequence 21667, A	798	13	65.0	347001	7	US-10-319-908-16	Sequence 16, Appl
C 726	13	65.0	1281	8	US-10-363-345A-30697	Sequence 30697, A	799	13	65.0	430442	8	US-10-417-375-128	Sequence 128, App
C 727	13	65.0	1281	8	US-10-363-345A-30698	Sequence 30698, A	800	13	65.0	53458	9	US-10-461-862-4	Sequence 4, Appl
C 728	13	65.0	1281	9	US-10-363-483A-30697	Sequence 30697, A	801	13	65.0	786452	8	US-10-719-993-6822	Sequence 6822, App
C 729	13	65.0	1281	9	US-10-363-483A-30698	Sequence 30698, A	802	13	65.0	2242716	9	US-10-915-740A-1068	Sequence 1068, App
C 730	13	65.0	1287	4	US-09-925-065A-38982	Sequence 38982, A	803	13	65.0	2731748	7	US-10-297-465A-1	Sequence 1, Appl
C 731	13	65.0	1296	7	US-10-282-122A-17375	Sequence 17375, A	804	13	65.0	2731748	7	US-10-297-465A-1	Sequence 1, Appl
C 732	13	65.0	1533	8	US-10-425-115-56490	Sequence 56490, A	805	13	65.0	2940917	5	US-10-027-632-174763	Sequence 174763, App
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C 734	13	65.0	1599	7	US-10-641-643-1004	Sequence 1004, App	807	13	65.0	3673778	6	US-10-312-841-1	Sequence 1, Appl
C 735	13	65.0	1701	9	US-10-482-834A-38	Sequence 38, Appl	808	12	60.0	12	2	US-08-887-505-101	Sequence 101, Appl
C 736	13	65.0	1715	6	US-10-007-926A-254	Sequence 254, App	809	12	60.0	12	8	US-10-257-017B-319061	Sequence 319061, App
C 737	13	65.0	1715	6	US-10-735-461-23	Sequence 23, Appl	810	12	60.0	13	3	US-09-740-332-4609	Sequence 4609, App
C 738	13	65.0	1715	8	US-10-275-858A-1	Sequence 1, Appl	811	12	60.0	13	3	US-09-817-879-4609	Sequence 4609, App
C 739	13	65.0	1717	9	US-10-482-834A-35	Sequence 35, Appl	812	12	60.0	13	7	US-10-669-841-7202	Sequence 7202, App
C 740	13	65.0	1717	9	US-10-482-834A-36	Sequence 36, Appl	813	12	60.0	13	8	US-10-257-017B-87861	Sequence 87861, A
C 741	13	65.0	1717	9	US-10-482-834A-37	Sequence 37, Appl	814	12	60.0	13	8	US-10-257-017B-87861	Sequence 87861, A
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## ALIGNMENTS

RESULT 1  
 US-08-887-505-28  
 ; Sequence 28, Application US/08887505  
 ; Publication No. US20020081577A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kilkuskie, Robert E.  
 ; APPLICANT: Frank, Bruce L.  
 ; APPLICANT: Goodchild, John  
 ; APPLICANT: Wolfe, Jia L.  
 ; APPLICANT: Roberts, Peter C.  
 ; APPLICANT: Hamlin, Jr., Henry A.  
 ; APPLICANT: Roberts, No. US20020081577A1 A.  
 ; APPLICANT: Walther, Debra M.  
 ; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
 ; HEPATITIS C VIRUS  
 ; NUMBER OF SEQUENCES: 172  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Hale and Dorr LLP  
 ; STREET: 60 State Street  
 ; CITY: Boston  
 ; STATE: MA  
 ; COUNTRY: USA  
 ; ZIP: 02109  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/887,505  
 ; FILING DATE:  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/471,968  
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 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Kerner, Ann-Louise  
 ; REGISTRATION NUMBER: 33,523  
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 ; TELECOMMUNICATION INFORMATION:

Sequence 36087, A  
 Sequence 36088, A  
 Sequence 36087, A  
 Sequence 36088, A  
 Sequence 344620, A  
 Sequence 92535, A  
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 Sequence 109962, A  
 Sequence 109963, A  
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 Sequence 327700, A  
 Sequence 13115, A  
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 Sequence 23198, A  
 Sequence 27812, A  
 Sequence 24, Appl  
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 Sequence 427406, A  
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 Sequence 270440, A  
 Sequence 13604, A  
 Sequence 20602, A

; TELEPHONE: (617) 526-6000  
 ; TELEFAX: (617) 526-5000  
 ; INFORMATION FOR SEQ ID NO: 28:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 20 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: YES  
 US-08-887-505-28  
 Query Match 100.0%; Score 20; DB 2; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 0.023;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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 RESULT 2  
 US-08-887-505-119  
 ; Sequence 119, Application US/08887505  
 ; Publication No. US20020081577A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Kilkuskie, Robert E.  
 ; APPLICANT: Frank, Bruce L.  
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 ; APPLICANT: Hamlin, Jr., Henry A.  
 ; APPLICANT: Roberts, No. US20020081577A1 A.  
 ; APPLICANT: Walther, Debra M.  
 ; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
 ; HEPATITIS C VIRUS  
 ; NUMBER OF SEQUENCES: 172  
 ; CORRESPONDENCE ADDRESS:  
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 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
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 ; FILING DATE: 06-JUN-1995  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Kerner, Ann-Louise  
 ; REGISTRATION NUMBER: 33,523  
 ; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (617) 526-6000  
 ; TELEFAX: (617) 526-5000  
 ; INFORMATION FOR SEQ ID NO: 119:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 20 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: DNA/RNA  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: YES

US-08-887-505-119

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 95.0%; Pred. No. 0.023;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 1 TTTCGGACCCCAACTACTC 20

RESULT 3

US-08-887-505-120  
; Sequence 120, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A11 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Keitner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 120:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 95.0%; Pred. No. 0.023;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 1 TTTCGGACCCCAACTACTC 20

RESULT 4

US-08-887-505-121  
; Sequence 121, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A11 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Keitner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 121:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 95.0%; Pred. No. 0.023;  
Matches 19; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 1 TTTCGGACCCCAACTACTC 20

RESULT 5

US-08-887-505-122  
; Sequence 122, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.

; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 122:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-122

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.023;  
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCAACTACTC 20  
:|||||:|||||:|:  
Db 1 UUCGCGACCCCAACUACUC 20

## RESULT 6

US-08-887-505-123  
; Sequence 123, Application US/08887505  
; Publication No. US20020081577A1

; GENERAL INFORMATION:

; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA

; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 123:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-123

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.023;  
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCAACTACTC 20  
:|||||:|||||:|:  
Db 1 UUCGCGACCCCAACUACUC 20

## RESULT 7

US-08-887-505-124

; Sequence 124, Application US/08887505  
; Publication No. US20020081577A1

; GENERAL INFORMATION:

; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 124:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-124

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.023;  
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
          :|||||:|||||:|  
DB 1 UUCGCGACCCCAACUACUC 20

## RESULT 8

US-08-887-505-125  
Sequence 125, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 125:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-125

LENGTH: 20 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-125

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 80.0%; Pred. No. 0.023;  
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
          :|||||:|||||:|  
DB 1 UUCGCGACCCCAACUACUC 20

## RESULT 9

US-08-887-505-126  
Sequence 126, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 126:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 20 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-126

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.023;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 1 TTTCGGACCCCAACTACTC 20

## RESULT 10

US-08-887-505-127  
; Sequence 127, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-127

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 1 TTTCGGACCCCAACTACTC 20

RESULT 11  
US-08-887-505-128  
; Sequence 128, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-128

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 1 TTTCGGACCCCAACTACTC 20

## RESULT 11

US-08-887-505-128  
; Sequence 128, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-128

GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 128:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-128

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 1 TTTCGGACCCCAACTACTC 20

## RESULT 12

US-08-887-505-129  
; Sequence 129, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 128:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-129

; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 129:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-129

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
Db 1 TTCGCGACCCCACTACTC 20

RESULT 13  
US-08-887-505-130  
; Sequence 130, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise

; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 130:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-130

Query Match 100.0%; Score 20; DB 2; Length 20;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
Db 1 TTCGCGACCCCACTACTC 20

RESULT 14  
US-08-887-505-75  
; Sequence 75, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise

; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 75:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 24 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-75

Query Match 100.0%; Score 20; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 3 TTTCGGACCCCAACTACTC 22

## RESULT 15

; Sequence 131, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:

; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 131:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 26 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-131

Query Match 100.0%; Score 20; DB 2; Length 26;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 1 TTTCGGACCCCAACTACTC 20

## RESULT 16

US-10-407-952-4/c  
; Sequence 4, Application US/10407952  
; Publication No. US20030232074A1  
; GENERAL INFORMATION:  
; APPLICANT: Lipford, Grayson  
; APPLICANT: Bauer, Stefan  
; TITLE OF INVENTION: Immunostimulatory G,U-Containing Oligoribonucleotides  
; FILE REFERENCE: C01041.70037.US  
; CURRENT APPLICATION NUMBER: US/10/407,952  
; CURRENT FILING DATE: 2003-04-04  
; PRIOR APPLICATION NUMBER: US 60/421,966  
; PRIOR FILING DATE: 2002-10-29  
; PRIOR APPLICATION NUMBER: US 60/370,515  
; PRIOR FILING DATE: 2002-04-04  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 27  
; TYPE: RNA  
; ORGANISM: Artificial sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic oligonucleotide  
US-10-407-952-4

Query Match 100.0%; Score 20; DB 6; Length 27;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 23 TTTCGGACCCCAACTACTC 4

## RESULT 17

US-10-475-024-20/c  
; Sequence 20, Application US/10475024  
; Publication No. US20040219545A1  
; GENERAL INFORMATION:  
; APPLICANT: Rando, Robert F.  
; APPLICANT: Welch, Ellen  
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA  
; TITLE OF INVENTION: STRUCTURAL MOTIFS  
; FILE REFERENCE: 10589-007-999  
; CURRENT APPLICATION NUMBER: US/10/475,024  
; CURRENT FILING DATE: 2003-10-10  
; PRIOR APPLICATION NUMBER: 60/282,965  
; PRIOR FILING DATE: 2001-04-11  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 20  
; LENGTH: 27  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-475-024-20

Query Match 100.0%; Score 20; DB 8; Length 27;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;



```
QY 1 TTCGCGACCCCAACTACTC 20
Db 23 TTCGCGACCCCAACTACTC 4

RESULT 18
US-10-475-026-20/c
; Sequence 20, Application US/10475026
; Publication No. US20050142545A1
; GENERAL INFORMATION:
; APPLICANT: Conn, Michael Morgan
; APPLICANT: Pelligrini, Mathew
; APPLICANT: Hwang, Seongwoo
; APPLICANT: Moon, Young-choon
; APPLICANT: Almsread, Neil
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA
; FILE REFERENCE: 10589-008
; CURRENT APPLICATION NUMBER: US/10/475,026
; PRIOR FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: 60/282,966
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20
; LENGTH: 27
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-475-026-20

Query Match 100.0%; Score 20; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
Db 23 TTCGCGACCCCAACTACTC 4

RESULT 19
US-08-887-505-68
; Sequence 68, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

QY 1 TTCGCGACCCCAACTACTC 20
Db 23 TTCGCGACCCCAACTACTC 4

RESULT 20
US-08-887-505-74
; Sequence 74, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:

QY 1 TTCGCGACCCCAACTACTC 20
Db 23 TTCGCGACCCCAACTACTC 4

RESULT 21
US-08-887-505-75
; Sequence 75, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
```

```
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-68

Query Match 100.0%; Score 20; DB 2; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.023;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCAACTACTC 20
Db 1 TTCGCGACCCCAACTACTC 20

RESULT 20
US-08-887-505-74
; Sequence 74, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
```

; LENGTH: 28 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-74

Query Match 100.0%; Score 20; DB 2; Length 28;  
Best Local Similarity 100.0%; Pred. No. 0.023;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20  
Db 5 TTGCGGACCCCAACTACTC 24

## RESULT 21

US-10-332-626-3/c  
; Sequence 3, Application US/10332626  
; Publication No. US20040073380A1  
; GENERAL INFORMATION:  
; APPLICANT: Joseph D. Puglisi  
; TITLE OF INVENTION: Structural Targets of Hepatitis C Virus  
; FILE REFERENCE: STAN-196  
; CURRENT APPLICATION NUMBER: US/10/332,626  
; CURRENT FILING DATE: 2003-09-08  
; PRIOR APPLICATION NUMBER: PCT/US01/21871  
; PRIOR FILING DATE: 2001-07-10  
; PRIOR APPLICATION NUMBER: 60/217,673  
; PRIOR FILING DATE: 2000-07-10  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 29  
; TYPE: RNA  
; ORGANISM: Hepatitis C virus  
US-10-332-626-3

Query Match 100.0%; Score 20; DB 7; Length 29;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCAACTACTC 20  
Db 24 TTGCGGACCCCAACTACTC 5

## RESULT 22

US-09-790-417-181/c  
; Sequence 181, Application US/09790417  
; Patent No. US20010031470A1  
; GENERAL INFORMATION:  
; APPLICANT: Shultz, John W  
; APPLICANT: Lewis, Martin K.  
; APPLICANT: Lieppe, Donna  
; APPLICANT: Mandrekar, Michelle  
; APPLICANT: Kephart, Daniel  
; APPLICANT: Rhodes, Richard B.  
; APPLICANT: Andrews, Christine A.  
; APPLICANT: Hartnett, James R.  
; APPLICANT: Gu, Trent  
; APPLICANT: Olson, Ryan J.  
; APPLICANT: Wood, Keith W.  
; APPLICANT: Welch, Roy  
; TITLE OF INVENTION: Nucleic Acid Detection  
; FILE REFERENCE: Pro-103 6868/75528  
; CURRENT APPLICATION NUMBER: US/09/790,417  
; CURRENT FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: 09/358,972  
; PRIOR FILING DATE: 1999-07-21

; PRIOR APPLICATION NUMBER: 09/042,287  
; PRIOR FILING DATE: 1998-03-13  
; NUMBER OF SEQ ID NOS: 290  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 181  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; OTHER INFORMATION: probe for Hepatitis C  
US-09-790-417-181

Query Match 100.0%; Score 20; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20  
Db 29 TTGCGACCCCAACTACTC 10

## RESULT 23

US-09-780-863-43/c  
; Sequence 43, Application US/09780863  
; Publication No. US20030203358A1  
; GENERAL INFORMATION:  
; APPLICANT: Shultz, John W  
; APPLICANT: Lewis, Martin K  
; APPLICANT: Lieppe, Donna  
; APPLICANT: Mandrekar, Michelle  
; APPLICANT: Kephart, Daniel  
; APPLICANT: Rhodes, Richard B  
; APPLICANT: Andrews, Christine A  
; APPLICANT: Hartnett, James R  
; APPLICANT: Gu, Trent  
; APPLICANT: Wood, Keith V  
; APPLICANT: Welch, Roy  
; TITLE OF INVENTION: EXOGENOUS NUCLEIC ACID DETECTION  
; FILE REFERENCE: EXOGENOUS NUCLEIC ACID DETECTION  
; CURRENT APPLICATION NUMBER: US/09/780,863  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/406,147  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-09-27  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/252,436  
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/042,287  
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-03-13  
; NUMBER OF SEQ ID NOS: 92  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 43  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-780-863-43

Query Match 100.0%; Score 20; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20  
Db 29 TTGCGACCCCAACTACTC 10

## RESULT 24

US-09-790-457-181/c  
; Sequence 181, Application US/09790457  
; Publication No. US20050214753A1  
; GENERAL INFORMATION:  
; APPLICANT: Shultz, John W  
; APPLICANT: Lewis, Martin K.  
; APPLICANT: Lieppe, Donna  
; APPLICANT: Mandrekar, Michelle

; APPLICANT: Kephart, Daniel  
; APPLICANT: Rhodes, Richard B.  
; APPLICANT: Andrews, Christine A.  
; APPLICANT: Hartnett, James R.  
; APPLICANT: Gu, Trent  
; APPLICANT: Olson, Ryan J.  
; APPLICANT: Wood, Keith W.  
; APPLICANT: Welch, Roy  
; TITLE OF INVENTION: Nucleic Acid Detection  
; FILE REFERENCE: Pro-103 6868/75528  
; CURRENT APPLICATION NUMBER: US/09/790,457  
; CURRENT FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US/09/358,972  
; PRIOR FILING DATE: 1999-07-22  
; PRIOR APPLICATION NUMBER: 09/252,436  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: 09/042,287  
; PRIOR FILING DATE: 1998-03-13  
; NUMBER OF SEQ ID NOS: 290  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 181  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
; FEATURE:  
; OTHER INFORMATION: probe for Hepatitis C  
US-09-790-457-181

Query Match 100.0%; Score 20; DB 3; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
Db 29 TTTCGGACCCCACTACTC 10  
|||||

RESULT 25  
US-10-318-416B-6/c  
; Sequence 6, Application US/10318416B  
; Publication No. US20040115643A1  
; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M.  
; APPLICANT: Gribanov, Oleg G.  
; TITLE OF INVENTION: THERMODYNAMIC EQUILIBRIUM EXTENSION OF  
; FILE REFERENCE: 25006.0012U1  
; CURRENT APPLICATION NUMBER: US/10/318,416B  
; CURRENT FILING DATE: 2002-12-12  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 6  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:/note =  
; OTHER INFORMATION: synthetic construct  
US-10-318-416B-6

Query Match 100.0%; Score 20; DB 7; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
Db 31 TTTCGGACCCCACTACTC 12  
|||||

RESULT 26  
US-10-318-416B-18/c  
; Sequence 18, Application US/10318416B  
; Publication No. US20040115643A1

; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M.  
; APPLICANT: Gribanov, Oleg G.  
; TITLE OF INVENTION: THERMODYNAMIC EQUILIBRIUM EXTENSION OF  
; FILE REFERENCE: 25006.0012U1  
; CURRENT APPLICATION NUMBER: US/10/318,416B  
; CURRENT FILING DATE: 2002-12-12  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 18  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:/note =  
; OTHER INFORMATION: synthetic construct  
US-10-318-416B-18

Query Match 100.0%; Score 20; DB 7; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
Db 31 TTTCGGACCCCACTACTC 12  
|||||

RESULT 27  
US-10-318-416B-19/c  
; Sequence 19, Application US/10318416B  
; Publication No. US20040115643A1  
; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M.  
; APPLICANT: Gribanov, Oleg G.  
; TITLE OF INVENTION: THERMODYNAMIC EQUILIBRIUM EXTENSION OF  
; FILE REFERENCE: 25006.0012U1  
; CURRENT APPLICATION NUMBER: US/10/318,416B  
; CURRENT FILING DATE: 2002-12-12  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 19  
; LENGTH: 40  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence:/note =  
; OTHER INFORMATION: synthetic construct  
US-10-318-416B-19

Query Match 100.0%; Score 20; DB 7; Length 40;  
Best Local Similarity 100.0%; Pred. No. 0.022;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
Db 31 TTTCGGACCCCACTACTC 12  
|||||

RESULT 28  
US-09-870-939-1/c  
; Sequence 1, Application US/09870939  
; Publication No. US20020192650A1  
; GENERAL INFORMATION:  
; APPLICANT: AMORESE, DOUGLAS A.  
; APPLICANT: SHANNON, KAREN W.  
; APPLICANT: COLLINS, PATRICK J.  
; APPLICANT: WOLBER, PAUL K.  
; TITLE OF INVENTION: COMPOSITE ARRAYS  
; FILE REFERENCE: 10010791-1  
; CURRENT APPLICATION NUMBER: US/09/870,939  
; CURRENT FILING DATE: 2001-10-12

```
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
;   LENGTH: 60
;   TYPE: DNA
;   ORGANISM: Hepatitis C virus
US-09-870-939-1

Query Match      100.0%; Score 20; DB 3; Length 60;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 24 TTTCGGACCCCAACTACTC 5

RESULT 29
US-09-728-265-31
; Sequence 31, Application US/09728265
; Publication No. US20020182598A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHOD:
; TITLE OF INVENTION: RAMIFICATION-EXTENSION AMPLIFICATION METHOD (RAM)
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Stroock & Stroock & Lavan
; STREET: 180 Maiden Lane
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10038
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PCDOS/MSDOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/728,265
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Pokotilow, Steven B
; REGISTRATION NUMBER: 26,405
; REFERENCE/DOCKET NUMBER: Old 29545APCT/USA-B // New 251305/0018
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212806-6663
; TELEFAX: 2128066006
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 108 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..108
US-09-728-265-31

Query Match      100.0%; Score 20; DB 3; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 4 TTTCGGACCCCAACTACTC 23

RESULT 30
US-09-978-261A-31
; Sequence 31, Application US/09978261A
```

```
; Publication No. US20030175706A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION METHODS
; FILE REFERENCE: A29545-A-PCT-USA-A 070165.0601
; CURRENT APPLICATION NUMBER: US/09/978,261A
; CURRENT FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: 08/263,937
; PRIOR FILING DATE: 1994-06-22
; PRIOR APPLICATION NUMBER: 08/596,331
; PRIOR FILING DATE: 1996-02-22
; PRIOR APPLICATION NUMBER: 08/690,495
; PRIOR FILING DATE: 1996-07-31
; PRIOR APPLICATION NUMBER: 08/909,031
; PRIOR FILING DATE: 1997-08-11
; PRIOR APPLICATION NUMBER: 09/728,265
; PRIOR FILING DATE: 2000-12-01
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
;   LENGTH: 108
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide probe
US-09-978-261A-31

Query Match      100.0%; Score 20; DB 3; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
Db 4 TTTCGGACCCCAACTACTC 23

RESULT 31
US-10-309-438-31
; Sequence 31, Application US/10309438
; Publication No. US20030190604A1
; GENERAL INFORMATION:
; APPLICANT: Zhang, David Y.
; APPLICANT: Brandwein, Maraget
; APPLICANT: Hsu, Terence C.H.
; TITLE OF INVENTION: Nucleic Acid Amplification Method: Ramification-extension
; FILE REFERENCE: 251305/0031
; CURRENT APPLICATION NUMBER: US/10/309,438
; CURRENT FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: US 09/299,217
; PRIOR FILING DATE: 1999-04-23
; PRIOR APPLICATION NUMBER: US 08/690,494
; PRIOR FILING DATE: 1996-07-31
; PRIOR APPLICATION NUMBER: US 08/596,331
; PRIOR APPLICATION NUMBER: PCT/US95/07671
; PRIOR FILING DATE: 1995-06-14
; PRIOR APPLICATION NUMBER: 08/263,937
; PRIOR FILING DATE: 1994-06-22
; NUMBER OF SEQ ID NOS: 42
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
;   LENGTH: 108
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer
US-10-309-438-31

Query Match      100.0%; Score 20; DB 6; Length 108;
Best Local Similarity 100.0%; Pred. No. 0.021;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

QY 1 TTTCGGACCCCAACTACTC 20  
Db 4 TTTCGGACCCCAACTACTC 23

## RESULT 32

US-10-719-480-31  
; Sequence 31, Application US/10719480  
; Publication No. US20040137484A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhang, David Y.  
; APPLICANT: Yi, Jizu  
; APPLICANT: Zhang, Wandi  
; TITLE OF INVENTION: Nucleic Acid Amplification Methods  
; FILE REFERENCE: 251305/0040  
; CURRENT APPLICATION NUMBER: US/10/719,480  
; CURRENT FILING DATE: 2003-11-21  
; PRIOR APPLICATION NUMBER: US 09/978,261  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: PCT/US02/32754  
; PRIOR FILING DATE: 2002-10-11  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 31  
; LENGTH: 108  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide primer  
US-10-719-480-31

Query Match 100.0%; Score 20; DB 7; Length 108;  
Best Local Similarity 100.0%; Pred. No. 0.021;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
Db 4 TTTCGGACCCCAACTACTC 23

## RESULT 33

US-10-396-964-12/c  
; Sequence 12, Application US/10396964  
; Publication No. US20030198946A1  
; GENERAL INFORMATION:  
; APPLICANT: Simmonds, Peter  
; APPLICANT: Chan, Shiu-Wan  
; APPLICANT: Yap, Peng L.  
; TITLE OF INVENTION: Hepatitis-C Virus Testing  
; NUMBER OF SEQUENCES: 53  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Bell, Seltzer, Park & Gibson, P.A.  
; STREET: 1211 East Morehead Street  
; CITY: Charlotte  
; STATE: No. US20030198946A1th Carolina  
; COUNTRY: United States  
; ZIP: 28234  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0. Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/396,964  
; FILING DATE: 23-MARCH-2003  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/244,116B  
; FILING DATE: 15-JUL-1994  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/GB92/02143  
; FILING DATE: 20-NOV-1992

; ATTORNEY/AGENT INFORMATION:  
; NAME: Sibley, Kenneth D.  
; REGISTRATION NUMBER: 31,665  
; REFERENCE/DOCKET NUMBER: 1749-125  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 704-377-1561  
; TELEFAX: 704-334-2014

; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 194 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
; ORIGINAL SOURCE:  
; ORGANISM: Hepatitis-C virus  
US-10-396-964-12

Query Match 100.0%; Score 20; DB 6; Length 194;  
Best Local Similarity 100.0%; Pred. No. 0.02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
Db 189 TTTCGGACCCCAACTACTC 170

## RESULT 34

US-10-688-272-19/c  
; Sequence 19, Application US/10688272  
; Publication No. US20040091924A1  
; GENERAL INFORMATION:  
; APPLICANT: GenMatrix Inc.; Kim, Nam-Keun  
; TITLE OF INVENTION: Method for detecting base mutation  
; FILE REFERENCE: 11281-014-999  
; CURRENT APPLICATION NUMBER: US/10/688,272  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: KR2002-0063832  
; PRIOR FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: KR2003-0061066  
; PRIOR FILING DATE: 2003-09-02  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: KopatentIn 1.71  
; SEQ ID NO 19  
; LENGTH: 226  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Resulting PCR fragment  
US-10-688-272-19

Query Match 100.0%; Score 20; DB 7; Length 226;  
Best Local Similarity 100.0%; Pred. No. 0.02;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
Db 200 TTTCGGACCCCAACTACTC 181

## RESULT 35

US-10-688-272-22/c  
; Sequence 22, Application US/10688272  
; Publication No. US20040091924A1  
; GENERAL INFORMATION:  
; APPLICANT: GenMatrix Inc.; Kim, Nam-Keun  
; TITLE OF INVENTION: Method for detecting base mutation  
; FILE REFERENCE: 11281-014-999  
; CURRENT APPLICATION NUMBER: US/10/688,272  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: KR2002-0063832

```
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: KR2003-0061066
; PRIOR FILING DATE: 2003-09-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Kopatentin 1.71
; SEQ ID NO 22
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Resulting PCR fragment
US-10-688-272-22

Query Match          100.0%; Score 20; DB 7; Length 230;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGGACCCCAACTACTC 20
    |||||
Db 204 TTCGGGACCCCAACTACTC 185

RESULT 36
US-10-688-272-23
; Sequence 23, Application US/10688272
; Publication No. US20040091924A1
; GENERAL INFORMATION:
; APPLICANT: GenMatrix Inc.; Kim, Nam-Keun
; TITLE OF INVENTION: Method for detecting base mutation
; FILE REFERENCE: 11281-014-999
; CURRENT APPLICATION NUMBER: US/10/688,272
; CURRENT FILING DATE: 2003-10-17
; PRIOR APPLICATION NUMBER: KR2002-0063832
; PRIOR FILING DATE: 2002-10-18
; PRIOR APPLICATION NUMBER: KR2003-0061066
; PRIOR FILING DATE: 2003-09-02
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: Kopatentin 1.71
; SEQ ID NO 23
; LENGTH: 230
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Resulting PCR fragment
US-10-688-272-23

Query Match          100.0%; Score 20; DB 7; Length 230;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGGACCCCAACTACTC 20
    |||||
Db 27 TTCGGGACCCCAACTACTC 46

RESULT 37
US-09-825-574-37/c
; Sequence 37, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
```

```
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 232 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-825-574-37

Query Match          100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGGACCCCAACTACTC 20
    |||||
Db 199 TTCGGGACCCCAACTACTC 180

RESULT 38
US-09-882-945A-37/c
; Sequence 37, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
;           Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-37

Query Match          100.0%; Score 20; DB 3; Length 232;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGGACCCCAACTACTC 20
    |||||
Db 199 TTCGGGACCCCAACTACTC 180
```

## RESULT 39

US-10-807-114-37/c  
; Sequence 37, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 37  
; LENGTH: 232  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-37

Query Match 100.0%; Score 20; DB 8; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20  
|||  
Db 199 TTCCGACCCCAACTACTC 180

## RESULT 40

US-10-655-362-37/c  
; Sequence 37, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; CURRENT FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 37  
; LENGTH: 232  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-37

Query Match 100.0%; Score 20; DB 8; Length 232;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20  
|||  
Db 199 TTCCGACCCCAACTACTC 180

## RESULT 41

US-09-825-574-32/c  
; Sequence 32, Application US/09825574  
; Patent No. US20020119454A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; Structure Probing With Structure-Bridging  
; Oligonucleotides.

NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/825,574  
FILING DATE: 03-Apr-2001  
CLASSIFICATION: <unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/934,097  
FILING DATE: <unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-02980  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 239 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 32:

US-09-825-574-32

Query Match 100.0%; Score 20; DB 3; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACTACTC 20  
|||  
Db 206 TTCCGACCCCAACTACTC 187

## RESULT 42

US-09-825-574-36/c  
; Sequence 36, Application US/09825574  
; Patent No. US20020119454A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; Structure Probing With Structure-Bridging  
; Oligonucleotides.

NUMBER OF SEQUENCES: 51





```
RESULT 46
US-10-807-114-36/c
; Sequence 36, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible-Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-807-114-36

Query Match      100.0%; Score 20; DB 8; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCACTACTC 20
Db 206 TTCCGACCCCACTACTC 187

RESULT 47
US-10-655-362-32/c
; Sequence 32, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-32

Query Match      100.0%; Score 20; DB 8; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCACTACTC 20
Db 206 TTCCGACCCCACTACTC 187

RESULT 48
US-10-655-362-36/c
; Sequence 36, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 36
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-36

Query Match      100.0%; Score 20; DB 8; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCACTACTC 20
Db 206 TTCCGACCCCACTACTC 187

RESULT 49
US-10-927-520-9/c
; Sequence 9, Application US/10927520
; Publication No. US20050069870A1
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New HCV clade and prototype sequences thereof
; FILE REFERENCE: 157
; CURRENT APPLICATION NUMBER: US/10/927,520
; CURRENT FILING DATE: 2004-08-27
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 9
; LENGTH: 239
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-10-927-520-9

Query Match      100.0%; Score 20; DB 9; Length 239;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCACTACTC 20
Db 200 TTCCGACCCCACTACTC 181

RESULT 50
US-10-927-520-10/c
; Sequence 10, Application US/10927520
; Publication No. US20050069870A1
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New HCV clade and prototype sequences thereof
```

FILE REFERENCE: 157  
CURRENT APPLICATION NUMBER: US/10/927,520  
CURRENT FILING DATE: 2004-08-27  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 10  
TYPE: DNA  
ORGANISM: hepatitis C virus  
US-10-927-520-10

Query Match 100.0%; Score 20; DB 9; Length 239;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 200 TTCCGGACCCCAACTACTC 181

RESULT 51  
US-09-825-574-33/c  
Sequence 33, Application US/09825574  
Patent No. US20020119454A1  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
Brow, Mary Ann D.  
Fors, Lance  
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
Structure Probing With Structure-Bridging  
Oligonucleotides.

NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/825,574  
FILING DATE: 03-Apr-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/934,097  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-02980  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 33:

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 207 TTCCGGACCCCAACTACTC 188

RESULT 52  
US-09-825-574-35/c  
Sequence 35, Application US/09825574  
Patent No. US20020119454A1  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
Brow, Mary Ann D.  
Fors, Lance  
Neri, Bruce P.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
Structure Probing With Structure-Bridging  
Oligonucleotides.

NUMBER OF SEQUENCES: 51  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/825,574  
FILING DATE: 03-Apr-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/934,097  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-02980

TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 35:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 35:

Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 207 TTCCGGACCCCAACTACTC 188

RESULT 53  
US-09-825-574-38/c  
Sequence 38, Application US/09825574  
Patent No. US20020119454A1  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
Brow, Mary Ann D.  
Fors, Lance

;; Neri, Bruce P.  
;; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
;; Structure Probing With Structure-Bridging  
;; Oligonucleotides.  
;;  
;; NUMBER OF SEQUENCES: 51  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: MEDLEN & CARROLL, LLP  
;; STREET: 220 Montgomery Street, Suite 2200  
;; CITY: San Francisco  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94104  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/825,574  
;; FILING DATE: 03-Apr-2001  
;; CLASSIFICATION: <Unknown>  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/934,097  
;; FILING DATE: <Unknown>  
;;  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: MacKnight, Kamrin T.  
;; REGISTRATION NUMBER: 38,230  
;; REFERENCE/DOCKET NUMBER: FORS-02980  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 705-8410  
;; TELEFAX: (415) 397-8338  
;;  
;; INFORMATION FOR SEQ ID NO: 38:  
;;  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 240 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;;  
;; MOLECULE TYPE: other nucleic acid  
;; DESCRIPTION: /desc = "DNA"  
;;  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 38:  
US-09-825-574-38  
Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 TTCGCGACCCCAACTACTC 20  
Db 208 TTCGCGACCCCAACTACTC 189  
  
RESULT 54  
US-09-882-945A-33/c  
; Sequence 33, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-38

US-09-882-945A-33  
Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 TTCGCGACCCCAACTACTC 20  
Db 207 TTCGCGACCCCAACTACTC 188  
  
RESULT 55  
US-09-882-945A-35/c  
; Sequence 35, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 35  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-35  
Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 TTCGCGACCCCAACTACTC 20  
Db 207 TTCGCGACCCCAACTACTC 188  
  
RESULT 56  
US-09-882-945A-38/c  
; Sequence 38, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 38  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-38  
Query Match 100.0%; Score 20; DB 3; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 TTCGCGACCCCAACTACTC 20  
Db 207 TTCGCGACCCCAACTACTC 188

Db 208 TTTCGGACCCCAACTACTC 189  
|||||

RESULT 57  
US-10-807-114-33/c  
; Sequence 33, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Vener, Tatiana  
; APPLICANT: Neri, Bruce  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-33

Query Match 100.0%; Score 20; DB 8; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||

Db 207 TTTCGGACCCCAACTACTC 188  
|||||

RESULT 58  
US-10-807-114-35/c  
; Sequence 35, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Vener, Tatiana  
; APPLICANT: Neri, Bruce  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 35  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-35

Query Match 100.0%; Score 20; DB 8; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||

Db 207 TTTCGGACCCCAACTACTC 188  
|||||

RESULT 59  
US-10-807-114-38/c  
; Sequence 38, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 38  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-38

Query Match 100.0%; Score 20; DB 8; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||

Db 208 TTTCGGACCCCAACTACTC 189  
|||||

RESULT 60  
US-10-655-362-33/c  
; Sequence 33, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; CURRENT FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-33

Query Match 100.0%; Score 20; DB 8; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||

Db 207 TTTCGGACCCCAACTACTC 188  
|||||

RESULT 61  
US-10-655-362-35/c  
; Sequence 35, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; CURRENT FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 35  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-35

Query Match 100.0%; Score 20; DB 8; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 207 TTCGCGACCCCAACTACTC 188

RESULT 62  
US-10-655-362-38/c  
; Sequence 38, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; CURRENT FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 38  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-38

Query Match 100.0%; Score 20; DB 8; Length 240;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 207 TTCGCGACCCCAACTACTC 188

Db 208 TTCGCGACCCCAACTACTC 189  
|||||  
RESULT 63  
US-10-087-631B-10/c  
; Sequence 10, Application US/10087631B  
; Publication No. US20030054372A1  
; GENERAL INFORMATION:  
; APPLICANT: JAEGER, STEPHAN  
; TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF A NUCLEIC ACID USING A  
; TITLE OF INVENTION: CONTROL  
; FILE REFERENCE: 1803-335-999  
; CURRENT APPLICATION NUMBER: US/10/087,631B  
; CURRENT FILING DATE: 2002-03-01  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 10  
; LENGTH: 241  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence derived by  
; OTHER INFORMATION: amplification of HCV type 1 using primers ST280 and ST778  
US-10-087-631B-10

Query Match 100.0%; Score 20; DB 5; Length 241;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 64  
US-10-419-022-10/c  
; Sequence 10, Application US/10419022  
; Publication No. US20030165982A1  
; GENERAL INFORMATION:  
; APPLICANT: JAEGER, STEPHAN  
; TITLE OF INVENTION: A METHOD FOR THE DETERMINATION OF A NUCLEIC ACID USING A  
; TITLE OF INVENTION: CONTROL  
; FILE REFERENCE: 1803-335-999  
; CURRENT APPLICATION NUMBER: US/10/419,022  
; CURRENT FILING DATE: 2003-04-17  
; PRIOR APPLICATION NUMBER: US/10/087,631B  
; PRIOR FILING DATE: 2002-03-01  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 10  
; LENGTH: 241  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence derived by  
; OTHER INFORMATION: amplification of HCV type 1 using primers ST280 and ST778  
US-10-419-022-10

Query Match 100.0%; Score 20; DB 6; Length 241;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 208 TTCGCGACCCCAACTACTC 189

RESULT 65  
US-09-825-574-26/c  
; Sequence 26, Application US/09825574  
; Patent No. US20020119454A1  
; GENERAL INFORMATION:

```
;
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
;
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
;
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-09-825-574-26
;
; Query Match 100.0%; Score 20; DB 3; Length 244;
; Best Local Similarity 100.0%; Pred. No. 0.019;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 TTCGCGACCCCAACTACTC 20
;    ||||||||||||||||
; Db 208 TTCGCGACCCCAACTACTC 189
;
; RESULT 66
; US-09-825-574-27/c
; Sequence 27, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
;
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
```

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;
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 27:
US-09-825-574-27
;
; Query Match 100.0%; Score 20; DB 3; Length 244;
; Best Local Similarity 100.0%; Pred. No. 0.019;
; Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; Qy 1 TTCGCGACCCCAACTACTC 20
;    ||||||||||||||||
; Db 208 TTCGCGACCCCAACTACTC 189
;
; RESULT 67
; US-09-825-574-29/c
; Sequence 29, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
;
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
;
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
;
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
```

```
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 29:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 29:
US-09-825-574-29

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 68
US-09-825-574-31/c
; Sequence 31, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
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; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-825-574-31

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 69
US-09-882-945A-26/c
; Sequence 26, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-26

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;

QY      1 TTTCGGACCCCAACTACTC 20
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 70
US-09-882-945A-27/c
; Sequence 27, Application US/09882945A
; Publication No. US20030143535A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/09/882,945A
; CURRENT FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-882-945A-27

Query Match      100.0%; Score 20; DB 3; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019; 0; Indels 0; Gaps 0;
Matches 20; Conservative 0; Mismatches 0;
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Qy 1 TTGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTGCGACCCCAACTACTC 189

## RESULT 71

US-09-882-945A-29/c  
; Sequence 29, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 29  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-29

Query Match 100.0%; Score 20; DB 3; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTGCGACCCCAACTACTC 189

## RESULT 72

US-09-882-945A-31/c  
; Sequence 31, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 31  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-31

Query Match 100.0%; Score 20; DB 3; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTGCGACCCCAACTACTC 189

## RESULT 73

US-10-688-272-16/c

; Sequence 16, Application US/10688272  
; Publication No. US20040091924A1  
; GENERAL INFORMATION:  
; APPLICANT: Genematrix Inc.; Kim, Nam-Keun  
; TITLE OF INVENTION: Method for detecting base mutation  
; FILE REFERENCE: 11281-014-999  
; CURRENT APPLICATION NUMBER: US/10/688,272  
; CURRENT FILING DATE: 2003-10-17  
; PRIOR APPLICATION NUMBER: KR2002-0063832  
; PRIOR FILING DATE: 2002-10-18  
; PRIOR APPLICATION NUMBER: KR2003-0061066  
; PRIOR FILING DATE: 2003-09-02  
; NUMBER OF SEQ ID NOS: 33  
; SOFTWARE: KopatentIn 1.71  
; SEQ ID NO 16  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5'Noncoding region of HCV  
US-10-688-272-16

Query Match 100.0%; Score 20; DB 7; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTGCGACCCCAACTACTC 189

## RESULT 74

US-10-807-114-26/c  
; Sequence 26, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 26  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-26

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 208 TTGCGACCCCAACTACTC 189

## RESULT 75

US-10-807-114-27/c  
; Sequence 27, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim



; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 27  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-27

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
|||||  
Db 208 TTCGCGACCCCACTACTC 189

RESULT 76  
US-10-807-114-29/c  
; Sequence 29, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT FILING DATE: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 29  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-29

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
|||||  
Db 208 TTCGCGACCCCACTACTC 189

RESULT 77  
US-10-807-114-31/c  
; Sequence 31, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana

; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 31  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-31

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
|||||  
Db 208 TTCGCGACCCCACTACTC 189

RESULT 78  
US-10-655-362-26/c  
; Sequence 26, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; CURRENT FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 26  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-26

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCACTACTC 20  
|||||  
Db 208 TTCGCGACCCCACTACTC 189

RESULT 79  
US-10-655-362-27/c  
; Sequence 27, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce

```
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 27
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-27

Query Match      100.0%; Score 20; DB 8; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGACCCCAACTACTC 20
Db      208 TTCCGACCCCAACTACTC 189

RESULT 80
US-10-655-362-29/c
; Sequence 29, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 29
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-29

Query Match      100.0%; Score 20; DB 8; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGACCCCAACTACTC 20
Db      208 TTCCGACCCCAACTACTC 189

RESULT 81
US-10-655-362-31/c
; Sequence 31, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
```

```
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-31

Query Match      100.0%; Score 20; DB 8; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGACCCCAACTACTC 20
Db      208 TTCCGACCCCAACTACTC 189

RESULT 82
US-10-655-362-124
; Sequence 124, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 124
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-124

Query Match      100.0%; Score 20; DB 8; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTCCGACCCCAACTACTC 20
Db      37 TTCCGACCCCAACTACTC 56

RESULT 83
US-10-655-362-125
; Sequence 125, Application US/10655362
; Publication No. US20050014163A1
```

; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; PRIOR FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 125  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-125

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
|||||  
DB 37 TTTCGGACCCCAACTACTC 56

## RESULT 84

US-10-655-362-127  
; Sequence 127, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; PRIOR FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 127  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-127

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
|||||  
DB 37 TTTCGGACCCCAACTACTC 56

## RESULT 85

US-10-655-362-128  
; Sequence 128, Application US/10655362  
; Publication No. US20050014163A1  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/10/655,362  
; PRIOR FILING DATE: 2003-09-04  
; PRIOR APPLICATION NUMBER: US/09/402,618B  
; PRIOR FILING DATE: 2000-07-18  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 128  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-655-362-128

Query Match 100.0%; Score 20; DB 8; Length 244;  
Best Local Similarity 80.0%; Pred. No. 0.019;  
Matches 16; Conservative 4; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
:|||||  
DB 37 TTTCGGACCCCAACTACTC 56

## RESULT 86

US-11-031-487-64/c  
; Sequence 64, Application US/11031487  
; Publication No. US20050196750A1  
; GENERAL INFORMATION:  
; APPLICANT: Elagin, Vecheslav A.  
; APPLICANT: Law, Scott  
; APPLICANT: Hill, Bjork  
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype  
; FILE REFERENCE: FORS-09463  
; CURRENT APPLICATION NUMBER: US/11/031,487  
; CURRENT FILING DATE: 2005-01-07  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 64  
; LENGTH: 244  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
; NAME/KEY: misc feature  
; LOCATION: (52)..(52)  
; OTHER INFORMATION: n is a, c, g, or t  
US-11-031-487-64

Query Match 100.0%; Score 20; DB 10; Length 244;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
|||||  
DB 208 TTTCGGACCCCAACTACTC 189

## RESULT 87

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US-11-031-487-66/c
; Sequence 66, Application US/11031487
; Publication No. US20050196750A1
; GENERAL INFORMATION:
; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 66
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-031-487-66

Query Match      100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
      |||||||
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 88
US-11-031-487-67/c
; Sequence 67, Application US/11031487
; Publication No. US20050196750A1
; GENERAL INFORMATION:
; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 67
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-031-487-67

Query Match      100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
      |||||||
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 89
US-11-031-487-68/c
; Sequence 68, Application US/11031487
; Publication No. US20050196750A1
; GENERAL INFORMATION:
; APPLICANT: Elagin, Vecheslav A.
; APPLICANT: Law, Scott
; APPLICANT: Hill, Bjork
; TITLE OF INVENTION: Determination of Hepatitis C Virus Genotype
; FILE REFERENCE: FORS-09463
; CURRENT APPLICATION NUMBER: US/11/031,487
; CURRENT FILING DATE: 2005-01-07
```

```
; NUMBER OF SEQ ID NOS: 69
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 68
; LENGTH: 244
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-11-031-487-68

Query Match      100.0%; Score 20; DB 10; Length 244;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
      |||||||
Db      208 TTTCGGACCCCAACTACTC 189

RESULT 90
US-10-292-129-13/c
; Sequence 13, Application US/10292129
; Publication No. US20030148267A1
; GENERAL INFORMATION:
; APPLICANT: Schmidt, Emmett Vance
; APPLICANT: Chung, Raymond Taeyong
; TITLE OF INVENTION: SCREENING ASSAY FOR HEPATITIS C VIRUS
; TITLE OF INVENTION: ANTIVIRAL AGENTS
; FILE REFERENCE: 00786-539001
; CURRENT APPLICATION NUMBER: US/10/292,129
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: US 60/345,405
; PRIOR FILING DATE: 2001-11-09
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 263
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
; OTHER INFORMATION: Synthetic construct
US-10-292-129-13

Query Match      100.0%; Score 20; DB 6; Length 263;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 TTTCGGACCCCAACTACTC 20
      |||||||
Db      217 TTTCGGACCCCAACTACTC 198

RESULT 91
US-10-920-040-1
; Sequence 1, Application US/10920040
; Publication No. US20050130131A1
; GENERAL INFORMATION:
; APPLICANT: Salahuddin, Syed Zaki
; APPLICANT: California Institute of Molecular Medicine
; TITLE OF INVENTION: Method for Isolation and Replication of Infectious
; TITLE OF INVENTION: Human Hepatitis-C Virus
; FILE REFERENCE: 025503-0001000US
; CURRENT APPLICATION NUMBER: US/10/920,040
; CURRENT FILING DATE: 2004-08-16
; PRIOR APPLICATION NUMBER: US 60/495,078
; PRIOR FILING DATE: 2003-08-14
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 271
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; FEATURE:
```

```
; OTHER INFORMATION: cloned index isolate #081 CIMM-HCV 5' untranslated
; OTHER INFORMATION: region (5'-UTR), probe obtained from automated DNA
; OTHER INFORMATION: sequencing
US-10-920-040-1

Query Match          100.0%; Score 20; DB 9; Length 271;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 40 TTTCGGACCCCAACACTACTC 59
|||||
|||||

RESULT 92
US-10-363-177A-67/c
; Sequence 67, Application US/10363177A
; Publication No. US20050084851A1
; GENERAL INFORMATION:
; APPLICANT: Pyrosequencing AB
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University
; APPLICANT: Ronaghi, Mostafa
; APPLICANT: Pourmand, Nader
; APPLICANT: Ekstrom, Bjorn
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing
; FILE REFERENCE: Docket 14629
; CURRENT APPLICATION NUMBER: US/10/363,177A
; CURRENT FILING DATE: 2003-03-06
; NUMBER OF SEQ ID NOS: 72
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 67
; LENGTH: 278
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-363-177A-67

Query Match          100.0%; Score 20; DB 9; Length 278;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 233 TTTCGGACCCCAACACTACTC 214
|||||
|||||

RESULT 93
US-09-940-925A-121/c
; Sequence 121, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 121:
US-09-940-925A-121

Query Match          100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 218 TTTCGGACCCCAACACTACTC 199
|||||
|||||

RESULT 94
US-09-940-925A-123/c
; Sequence 123, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 123:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-09-940-925A-123

Query Match          100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 121:
US-09-940-925A-121

Query Match          100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACACTACTC 20
Db 218 TTTCGGACCCCAACACTACTC 199
|||||
|||||

RESULT 94
US-09-940-925A-123/c
; Sequence 123, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 123:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-09-940-925A-123

Query Match          100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 TTGCGACCCCACTACTC 20  
Db 218 TTGCGACCCCACTACTC 199

RESULT 95  
US-09-940-925A-126/c  
; Sequence 126, Application US/09940925A  
; Publication No. US20030054338A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/940,925A  
; FILING DATE: 10-Jun-2002  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 126:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 126:  
US-09-940-925A-126

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20  
Db 218 TTGCGACCCCACTACTC 199

RESULT 96  
US-09-940-925A-127  
; Sequence 127, Application US/09940925A  
; Publication No. US20030054338A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO

; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/940,925A  
; FILING DATE: 10-Jun-2002  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 127:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 127:  
US-09-940-925A-127

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20  
Db 64 TTGCGACCCCACTACTC 83

RESULT 97  
US-09-940-925A-128  
; Sequence 128, Application US/09940925A  
; Publication No. US20030054338A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; LYAMICHEV, VICTOR I.  
; OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/940,925A  
; FILING DATE: 10-Jun-2002  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 128:

SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 128:  
US-09-940-925A-128

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 64 TTTCGGACCCCAACTACTC 83

## RESULT 98

US-09-940-925A-129

Sequence 129, Application US/09940925A  
Publication No. US20030054338A1

## GENERAL INFORMATION:

APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN &amp; CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/940, 925A

FILING DATE: 10-Jun-2002

CLASSIFICATION: &lt;Unknown&gt;

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: FORS-01756

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 129:

SEQUENCE CHARACTERISTICS:

LENGTH: 281 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 129:

US-09-940-925A-129

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 64 TTTCGGACCCCAACTACTC 83

## RESULT 99

US-09-940-925A-132

Sequence 132, Application US/09940925A  
Publication No. US20030054338A1

## GENERAL INFORMATION:

APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.

OLIVE, DAVID M.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN &amp; CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/940, 925A

FILING DATE: 10-Jun-2002

CLASSIFICATION: &lt;Unknown&gt;

ATTORNEY/AGENT INFORMATION:

NAME: CARROLL, PETER G.

REGISTRATION NUMBER: 32,837

REFERENCE/DOCKET NUMBER: FORS-01756

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

INFORMATION FOR SEQ ID NO: 132:

SEQUENCE CHARACTERISTICS:

LENGTH: 281 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 132:

US-09-940-925A-132

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
Db 64 TTTCGGACCCCAACTACTC 83

## RESULT 100

US-09-941-193A-121/c

Sequence 121, Application US/09941193A  
Publication No. US20030108873A1

## GENERAL INFORMATION:

APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.

OLIVE, DAVID M.

TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN &amp; CARROLL

STREET: 220 MONTGOMERY STREET, SUITE 2200

CITY: SAN FRANCISCO

STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193A  
FILING DATE: 28-Aug-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 121:  
US-09-941-193A-121

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
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Db 218 TTTCGGACCCCAACTACTC 199

RESULT 101  
US-09-941-193A-123/c  
Sequence 123, Application US/09941193A  
Publication No. US20030108873A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193A  
FILING DATE: 28-Aug-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 397-8338  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 123:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 123:

US-09-941-193A-123

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 102  
US-09-941-193A-126/c  
Sequence 126, Application US/09941193A  
Publication No. US20030108873A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.  
OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193A  
FILING DATE: 28-Aug-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 126:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 126:  
US-09-941-193A-126

Query Match 100.0%; Score 20; DB 3; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 103  
US-09-941-193A-127  
Sequence 127, Application US/09941193A  
Publication No. US20030108873A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.  
OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF





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Db 64 TTTCGGACCCCAACTACTC 83
|||||
RESULT 106
US-09-941-193A-132
; Sequence 132, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-09-941-193A-132
Query Match 100.0%; Score 20; DB 3; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||||
Db 64 TTTCGGACCCCAACTACTC 83
|||||
RESULT 107
US-10-409-594-121/c
; Sequence 121, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 123:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-10-409-594-123/c
Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
|||||
Db 218 TTTCGGACCCCAACTACTC 199
|||||
RESULT 108
US-10-409-594-123/c
; Sequence 123, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 121:
US-10-409-594-121
Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 123:
US-10-409-594-123

Query Match          100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20
Db 218 TTGCGACCCCACTACTC 199

RESULT 109
US-10-409-594-126/c
; Sequence 126, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 126:
US-10-409-594-126

Query Match          100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20
Db 218 TTGCGACCCCACTACTC 199

RESULT 110
US-10-409-594-127
; Sequence 127, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 127:
US-10-409-594-127

Query Match          100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCACTACTC 20
Db 64 TTGCGACCCCACTACTC 83

RESULT 111
US-10-409-594-128
; Sequence 128, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 128:
US-10-409-594-128
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; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/409,594  
; FILING DATE: 08-Apr-2003  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 128:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 128:  
US-10-409-594-128

Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
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Db 64 TTTCGGACCCCAACTACTC 83

RESULT 112  
US-10-409-594-129  
; Sequence 129, Application US/10409594  
; Publication No. US20050158716A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/409,594  
; FILING DATE: 08-Apr-2003  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 129:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 129:  
US-10-409-594-129

Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 113  
US-10-409-594-132  
; Sequence 132, Application US/10409594  
; Publication No. US20050158716A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; LYAMICHEV, VICTOR I.  
; OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/409,594  
; FILING DATE: 08-Apr-2003  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 132:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 132:  
US-10-409-594-132

Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 114  
US-09-940-925A-124/c  
; Sequence 124, Application US/09940925A  
; Publication No. US20030054338A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; LYAMICHEV, VICTOR I.  
; OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/409,594  
; FILING DATE: 08-Apr-2003  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 132:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 132:  
US-10-409-594-132

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;
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; APPLICATION DATA: US/09/940,925A
; FILING DATE: 10-Jun-2002
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-09-940-925A-124
Query Match 100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCAACTACTC 20
Db 219 TTCGCGACCCAACTACTC 200
|||||

RESULT 115
US-09-940-925A-130
; Sequence 130, Application US/09940925A
; Publication No. US20030054338A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; APPLICATION DATA:
; APPLICATION NUMBER: US/09/940,925A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-09-940-925A-124
Query Match 100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCAACTACTC 20
Db 219 TTCGCGACCCAACTACTC 200
|||||

RESULT 116
US-09-941-193A-124/c
; Sequence 124, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-09-941-193A-124
Query Match 100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCAACTACTC 20
Db 219 TTCGCGACCCAACTACTC 200
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;
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-940-925A-130
Query Match 100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCAACTACTC 20
Db 64 TTCGCGACCCAACTACTC 83
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RESULT 116
US-09-941-193A-124/c
; Sequence 124, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
;
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 124:
US-09-941-193A-124
Query Match 100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCAACTACTC 20
Db 219 TTCGCGACCCAACTACTC 200
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Db      219 TTTCGGACCCCAACTACTC 200

RESULT 117
US-09-941-193A-130
; Sequence 130, Application US/09941193A
; Publication No. US20030108873A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193A
; FILING DATE: 28-Aug-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 397-8338
; TELEFAX: (415) 705-8410
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-941-193A-130
Query Match      100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
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Db      64 TTTCGGACCCCAACTACTC 83

RESULT 118
US-10-409-594-124/c
; Sequence 124, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 397-8338
; TELEFAX: (415) 705-8410
; INFORMATION FOR SEQ ID NO: 130:
SEQUENCE CHARACTERISTICS:
LENGTH: 282 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-941-193A-130
Query Match      100.0%; Score 20; DB 3; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
        |||||
Db      64 TTTCGGACCCCAACTACTC 83

RESULT 119
US-10-409-594-130
; Sequence 130, Application US/10409594
; Publication No. US20050158716A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; LYAMICHEV, VICTOR I.
; OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/409,594
; FILING DATE: 08-Apr-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 397-8338
; TELEFAX: (415) 705-8410
; INFORMATION FOR SEQ ID NO: 130:
SEQUENCE CHARACTERISTICS:
LENGTH: 282 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 130:
US-09-941-193A-130
Query Match      100.0%; Score 20; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 TTTCGGACCCCAACTACTC 20
        |||||
Db      219 TTTCGGACCCCAACTACTC 200

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;  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 130:  
US-10-409-594-130

Query Match 100.0%; Score 20; DB 9; Length 282;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 64 TTCGGACCCCACTACTC 83

RESULT 120  
US-09-825-574-21/c  
; Sequence 21, Application US/09825574  
; Patent No. US20020119454A1

; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; Fors, Lance  
; Brow, Mary Ann D.  
; Neri, Bruce P.

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; Structure Probing With Structure-Bridging  
; Oligonucleotides.

; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/825,574  
; FILING DATE: 03-Apr-2001  
; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/934,097  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-02980  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 21:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 286 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
US-09-825-574-21

Query Match 100.0%; Score 20; DB 3; Length 286;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

RESULT 121  
US-09-882-945A-21/c  
; Sequence 21, Application US/09882945A  
; Publication No. US2003014335A1

; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 21  
; LENGTH: 286  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-21

Query Match 100.0%; Score 20; DB 3; Length 286;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

RESULT 122  
US-10-807-114-21/c  
; Sequence 21, Application US/10807114  
; Publication No. US20040235024A1

; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 21  
; LENGTH: 286  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-21

Query Match 100.0%; Score 20; DB 8; Length 286;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

RESULT 123  
US-10-655-362-21/c  
; Sequence 21, Application US/10655362

```
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Rang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 286
; TYPE: DNA
; ORGANISM: Hepatitis C virus
; US-10-655-362-21

Query Match      100.0%; Score 20; DB 8; Length 286;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTGCGACCCCAACTACTC 20
Db      222 TTGCGACCCCAACTACTC 203

RESULT 124
US-09-825-574-20/c
; Sequence 20, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 289 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
US-09-825-574-20

Query Match      100.0%; Score 20; DB 3; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  TTGCGACCCCAACTACTC 20
Db      222 TTGCGACCCCAACTACTC 203

RESULT 125
US-09-825-574-23/c
; Sequence 23, Application US/09825574
; Patent No. US20020119454A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 289 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-09-825-574-23

Query Match      100.0%; Score 20; DB 3; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.019;
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

## RESULT 126

US-09-882-945A-20/c  
; Sequence 20, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 20  
; LENGTH: 289  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-20

Query Match 100.0%; Score 20; DB 3; Length 289;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

## RESULT 127

US-09-882-945A-23/c  
; Sequence 23, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 23  
; LENGTH: 289  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-09-882-945A-23

Query Match 100.0%; Score 20; DB 3; Length 289;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

## RESULT 128

US-10-807-114-20/c  
; Sequence 20, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 20  
; LENGTH: 289  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-20

Query Match 100.0%; Score 20; DB 8; Length 289;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

## RESULT 129

US-10-807-114-23/c  
; Sequence 23, Application US/10807114  
; Publication No. US20040235024A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/10/807,114  
; CURRENT FILING DATE: 2004-03-23  
; PRIOR APPLICATION NUMBER: US/09/882,945  
; PRIOR FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 23  
; LENGTH: 289  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-807-114-23

Query Match 100.0%; Score 20; DB 8; Length 289;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20  
Db 222 TTCGGACCCCACTACTC 203

## RESULT 130

US-10-655-362-20/c  
; Sequence 20, Application US/10655362

```

; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-655-362-20

Query Match      100.0%; Score 20; DB 8; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
    |||||
Db 222 TTCGCGACCCCAACTACTC 203

RESULT 131
US-10-655-362-23/c
; Sequence 23, Application US/10655362
; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-655-362-23

Query Match      100.0%; Score 20; DB 8; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
    |||||
Db 222 TTCGCGACCCCAACTACTC 203

; Publication No. US20050014163A1
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/10/655,362
; CURRENT FILING DATE: 2003-09-04
; PRIOR APPLICATION NUMBER: US/09/402,618B
; PRIOR FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 23
; LENGTH: 289
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-655-362-23

Query Match      100.0%; Score 20; DB 8; Length 289;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
    |||||
Db 222 TTCGCGACCCCAACTACTC 203
```

```

RESULT 132
US-09-345-761-7/c
; Sequence 7, Application US/09345761
; Patent No. US20010053518A1
; GENERAL INFORMATION:
; APPLICANT: ISHIGURO, Takahiko
; APPLICANT: SAITOH, Juichi
; APPLICANT: ISHIZUKA, Tetsuya
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID
; FILE REFERENCE: Q54969
; CURRENT APPLICATION NUMBER: US/09/345,761
; CURRENT FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: JP 10-186434
; PRIOR FILING DATE: 1998-07-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 298
; TYPE: RNA
; ORGANISM: Synthetic Construct
US-09-345-761-7

Query Match      100.0%; Score 20; DB 3; Length 298;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
    |||||
Db 261 TTCGCGACCCCAACTACTC 242

RESULT 133
US-10-687-588-7/c
; Sequence 7, Application US/10687588
; Publication No. US20040115718A1
; GENERAL INFORMATION:
; APPLICANT: ISHIGURO, Takahiko
; APPLICANT: SAITOH, Juichi
; APPLICANT: ISHIZUKA, Tetsuya
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID
; FILE REFERENCE: Q54969
; CURRENT APPLICATION NUMBER: US/10/687,588
; CURRENT FILING DATE: 2003-10-20
; PRIOR APPLICATION NUMBER: US/09/345,761
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: JP 10-186434
; PRIOR FILING DATE: 1998-07-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 298
; TYPE: RNA
; ORGANISM: Synthetic Construct
US-10-687-588-7

Query Match      100.0%; Score 20; DB 7; Length 298;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
    |||||
Db 261 TTCGCGACCCCAACTACTC 242

RESULT 134
US-10-230-381-1/c
; Sequence 1, Application US/10230381
; Publication No. US20030152591A1
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: New hepatitis C virus genotype 13, and its use as prophylactic,
```

; TITLE OF INVENTION: therapeutic and diagnostic agents  
; FILE REFERENCE: INX-124-EP  
; CURRENT APPLICATION NUMBER: US/10/230,381  
; CURRENT FILING DATE: 2002-08-29  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 299  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-10-230-381-1

Query Match 100.0%; Score 20; DB 6; Length 299;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
|||||  
DB 233 TTGCGACCCCAACTACTC 214

## RESULT 135

US-10-363-177A-63/c  
; Sequence 63, Application US/10363177A  
; Publication No. US20050084851A1  
; GENERAL INFORMATION:

; APPLICANT: Pyrosequencing AB  
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University  
; APPLICANT: Ronaghi, Mostafa  
; APPLICANT: Pourmand, Nader  
; APPLICANT: Ekstrom, Bjorn  
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing  
; FILE REFERENCE: Docket 14629  
; CURRENT APPLICATION NUMBER: US/10/363,177A  
; CURRENT FILING DATE: 2003-03-06  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 63  
; LENGTH: 305  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-363-177A-63

Query Match 100.0%; Score 20; DB 9; Length 305;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
|||||  
DB 233 TTGCGACCCCAACTACTC 214

## RESULT 136

US-10-363-177A-64/c  
; Sequence 64, Application US/10363177A  
; Publication No. US20050084851A1  
; GENERAL INFORMATION:

; APPLICANT: Pyrosequencing AB  
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University  
; APPLICANT: Ronaghi, Mostafa  
; APPLICANT: Pourmand, Nader  
; APPLICANT: Ekstrom, Bjorn  
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing  
; FILE REFERENCE: Docket 14629  
; CURRENT APPLICATION NUMBER: US/10/363,177A  
; CURRENT FILING DATE: 2003-03-06  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 64  
; LENGTH: 305  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-363-177A-64

Query Match 100.0%; Score 20; DB 9; Length 305;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
|||||  
DB 233 TTGCGACCCCAACTACTC 214

## RESULT 137

US-10-363-177A-68/c  
; Sequence 68, Application US/10363177A  
; Publication No. US20050084851A1  
; GENERAL INFORMATION:

; APPLICANT: Pyrosequencing AB  
; APPLICANT: The Board of Trustees of the Leland Stanford Junior University  
; APPLICANT: Ronaghi, Mostafa  
; APPLICANT: Pourmand, Nader  
; APPLICANT: Ekstrom, Bjorn  
; TITLE OF INVENTION: Method of nucleic acid typing and sequencing  
; FILE REFERENCE: Docket 14629  
; CURRENT APPLICATION NUMBER: US/10/363,177A  
; CURRENT FILING DATE: 2003-03-06  
; NUMBER OF SEQ ID NOS: 72  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 68  
; LENGTH: 305  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-10-363-177A-68

Query Match 100.0%; Score 20; DB 9; Length 305;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
|||||  
DB 233 TTGCGACCCCAACTACTC 214

## RESULT 138

US-09-345-761-6/c  
; Sequence 6, Application US/09345761  
; Patent No. US20010053518A1  
; GENERAL INFORMATION:

; APPLICANT: ISHIGURO, Takahiko  
; APPLICANT: SAITOH, Juichi  
; APPLICANT: ISHIZUKA, Tetsuya  
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID  
; FILE REFERENCE: Q54969  
; CURRENT APPLICATION NUMBER: US/09/345,761  
; CURRENT FILING DATE: 1999-07-01  
; PRIOR APPLICATION NUMBER: JP 10-186434  
; PRIOR FILING DATE: 1998-07-01  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 6  
; LENGTH: 315  
; TYPE: DNA  
; ORGANISM: Synthetic Construct  
US-09-345-761-6

Query Match 100.0%; Score 20; DB 3; Length 315;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTGCGACCCCAACTACTC 20  
|||||  
DB 278 TTGCGACCCCAACTACTC 259

## RESULT 139

US-10-687-588-6/c  
; Sequence 6, Application US/10687588  
; Publication No. US20040115718A1  
; GENERAL INFORMATION:  
; APPLICANT: ISHIGURO, Takahiko  
; APPLICANT: SAITOH, Juichi  
; APPLICANT: ISHIZUKA, Tetuya  
; TITLE OF INVENTION: METHOD OF ASSAY OF TARGET NUCLEIC ACID  
; FILE REFERENCE: Q54969  
; CURRENT APPLICATION NUMBER: US/10/687,588  
; CURRENT FILING DATE: 2003-10-20  
; PRIOR APPLICATION NUMBER: US/09/345,761  
; PRIOR FILING DATE: 1999-07-01  
; PRIOR APPLICATION NUMBER: JP 10-1866434  
; PRIOR FILING DATE: 1998-07-01  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 6  
; LENGTH: 315  
; TYPE: DNA  
; ORGANISM: Synthetic Construct  
US-10-687-588-6

Query Match 100.0%; Score 20; DB 7; Length 315;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 278 TTCGCGACCCCAACTACTC 259

## RESULT 140

US-09-882-945A-240/c  
; Sequence 240, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 240  
; LENGTH: 328  
; TYPE: RNA  
; ORGANISM: Hepatitis C virus  
US-09-882-945A-240

Query Match 100.0%; Score 20; DB 3; Length 328;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 257 TTCGCGACCCCAACTACTC 238

## RESULT 141

US-09-882-945A-242/c  
; Sequence 242, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana

; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 242  
; LENGTH: 328  
; TYPE: RNA  
; ORGANISM: Hepatitis C virus  
US-09-882-945A-242

Query Match 100.0%; Score 20; DB 3; Length 328;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 257 TTCGCGACCCCAACTACTC 238

## RESULT 142

US-09-882-945A-245/c  
; Sequence 245, Application US/09882945A  
; Publication No. US20030143535A1  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Allawi, Hatim  
; APPLICANT: Dong, Fang  
; APPLICANT: Neri, Bruce  
; APPLICANT: Vener, Tatiana  
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites  
; FILE REFERENCE: FORS-04586  
; CURRENT APPLICATION NUMBER: US/09/882,945A  
; CURRENT FILING DATE: 2001-06-15  
; NUMBER OF SEQ ID NOS: 334  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 245  
; LENGTH: 328  
; TYPE: RNA  
; ORGANISM: Hepatitis C virus  
US-09-882-945A-245

Query Match 100.0%; Score 20; DB 3; Length 328;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
|||||  
Db 257 TTCGCGACCCCAACTACTC 238

## RESULT 143

US-10-475-024-18/c  
; Sequence 18, Application US/10475024  
; Publication No. US20040219545A1  
; GENERAL INFORMATION:  
; APPLICANT: Rando, Robert F.  
; APPLICANT: Welch, Ellen  
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA  
; FILE REFERENCE: 10589-007-999  
; CURRENT APPLICATION NUMBER: US/10/475,024  
; CURRENT FILING DATE: 2003-10-10  
; PRIOR APPLICATION NUMBER: 60/282,965  
; PRIOR FILING DATE: 2001-04-11  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 18  
; LENGTH: 328  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-10-475-024-18

```
Query Match      100.0%; Score 20; DB 8; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 263 TTTCGGACCCCAACTACTC 244

RESULT 144
US-10-807-114-240/c
; Sequence 240, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 240
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-807-114-240

Query Match      100.0%; Score 20; DB 8; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 257 TTTCGGACCCCAACTACTC 238

RESULT 145
US-10-807-114-242/c
; Sequence 242, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 242
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-807-114-242

Query Match      100.0%; Score 20; DB 8; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 263 TTTCGGACCCCAACTACTC 244

RESULT 148
US-09-940-244-45/c
; Sequence 45, Application US/09940244
```

```
Db 257 TTTCGGACCCCAACTACTC 238

RESULT 146
US-10-807-114-245/c
; Sequence 245, Application US/10807114
; Publication No. US20040235024A1
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor
; APPLICANT: Allawi, Hatim
; APPLICANT: Dong, Fang
; APPLICANT: Neri, Bruce
; APPLICANT: Vener, Tatiana
; TITLE OF INVENTION: Nucleic Acid Accessible Hybridization Sites
; FILE REFERENCE: FORS-04586
; CURRENT APPLICATION NUMBER: US/10/807,114
; CURRENT FILING DATE: 2004-03-23
; PRIOR APPLICATION NUMBER: US/09/882,945
; PRIOR FILING DATE: 2001-06-15
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 245
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-807-114-245

Query Match      100.0%; Score 20; DB 8; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 257 TTTCGGACCCCAACTACTC 238

RESULT 147
US-10-475-026-18/c
; Sequence 18, Application US/10475026
; Publication No. US20050142545A1
; GENERAL INFORMATION:
; APPLICANT: Conn, Michael Morgan
; APPLICANT: Pelligrini, Mathew
; APPLICANT: Hwang, Seongwoo
; APPLICANT: Moon, Young-choon
; APPLICANT: Almstead, Neil
; TITLE OF INVENTION: METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA
; FILE REFERENCE: 10589-008
; CURRENT APPLICATION NUMBER: US/10/475,026
; CURRENT FILING DATE: 2003-10-10
; PRIOR APPLICATION NUMBER: 60/282,966
; PRIOR FILING DATE: 2001-04-11
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 18
; LENGTH: 328
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-475-026-18

Query Match      100.0%; Score 20; DB 9; Length 328;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 263 TTTCGGACCCCAACTACTC 244

RESULT 148
US-09-940-244-45/c
; Sequence 45, Application US/09940244
```

```
; Publication No. US20030044796A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/09/940,244
; CURRENT FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-940-244-45

Query Match      100.0%; Score 20; DB 3; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0;

QY      1 TTTCGGACCCCACTACTC 20
        |||||
Db      274 TTTCGGACCCCACTACTC 255

RESULT 149
US-09-982-667-56/c
; Sequence 56, Application US/09982667
; Publication No. US20030096245A1
; GENERAL INFORMATION:
; APPLICANT: Prudent, James R.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/982,667
; FILING DATE: 18-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/756,386
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02564
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-09-982-667-56

Query Match      100.0%; Score 20; DB 3; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0;

QY      1 TTTCGGACCCCACTACTC 20
        |||||
Db      274 TTTCGGACCCCACTACTC 255

RESULT 150
US-09-732-622A-45/c
; Sequence 45, Application US/09732622A
; Publication No. US20050164177A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on a Solid Surface
; FILE REFERENCE: FORS-04904
; CURRENT APPLICATION NUMBER: US/09/732,622A
; CURRENT FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 410
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-09-732-622A-45

Query Match      100.0%; Score 20; DB 3; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019; Mismatches 0; Indels 0; Gaps 0;
Matches 20; Conservative 0;

QY      1 TTTCGGACCCCACTACTC 20
        |||||
Db      274 TTTCGGACCCCACTACTC 255

RESULT 151
US-10-033-297-45/c
; Sequence 45, Application US/10033297
; Publication No. US20020187486A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Mast, Andrea L.
; APPLICANT: Brow, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic Acids By Multiple Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 163
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/982,667
; FILING DATE: 18-Oct-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/756,386
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02564
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
```

```
;
; FILING DATE: 12-No. US20020187486A1-2001
; CLASSIFICATION DATA: <Unknown>
; PRIOR APPLICATION NUMBER: US/09/350,597
; FILING DATE: 09-Jul-1999
; APPLICATION NUMBER: US/08/823,516
; FILING DATE: 24-MAR-1997
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/758,314
; FILING DATE: 02-DEC-1996
; APPLICATION NUMBER: US 08/756,386
; FILING DATE: 29-NOV-1996
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02736
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; TYPE: nucleic acid
; LENGTH: 337 base pairs
; STRANDEDNESS: No. US20020187486A1 Relevant
; TOPOLOGY: No. US20020187486A1 Relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-10-033-297-45

Query Match 100.0%; Score 20; DB 5; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
Db 274 TTGCGACCCCAACTACTC 255

RESULT 152
US-10-081-806-56/c
; Sequence 56, Application US/10081806
; Publication No. US20020197623A1
; GENERAL INFORMATION:
; APPLICANT: Prudent, James R.
; Hall, Jeff G.
; Lyamichev, Victor I.
; TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medien & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/081,806
; FILING DATE: 22-Feb-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/756,386
```

```
;
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/682,853
; FILING DATE: 12-JUL-1996
; APPLICATION NUMBER: US 08/599,491
; FILING DATE: 24-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: FORS-02564
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 337 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: No. US20020197623A1 Relevant
; TOPOLOGY: No. US20020197623A1 Relevant
; MOLECULE TYPE: RNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-10-081-806-56

Query Match 100.0%; Score 20; DB 5; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
Db 274 TTGCGACCCCAACTACTC 255

RESULT 153
US-10-142-283-136/c
; Sequence 136, Application US/10142283
; Publication No. US20030152942A1
; GENERAL INFORMATION:
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: de Arruda Indig, Monika
; APPLICANT: Roeven, Robert
; TITLE OF INVENTION: Nucleic Acid Detection in Pooled Samples
; FILE REFERENCE: FORS-07219
; CURRENT APPLICATION NUMBER: US/10/142,283
; CURRENT FILING DATE: 2002-12-10
; PRIOR APPLICATION NUMBER: 60/326,549
; PRIOR FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: 60/289,764
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 139
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 136
; LENGTH: 337
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-142-283-136

Query Match 100.0%; Score 20; DB 6; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
Db 274 TTGCGACCCCAACTACTC 255

RESULT 154
US-10-290-386-45/c
; Sequence 45, Application US/10290386
; Publication No. US20030152971A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Lyamichev, Victor
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lukowiak, Andrew A.
; TITLE OF INVENTION: Methods and Compositions for Detecting Target Sequences
; FILE REFERENCE: FORS-07459
; CURRENT APPLICATION NUMBER: US/10/290,386
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: 60/361,060
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: 60/344,946
; PRIOR FILING DATE: 2001-11-07
; PRIOR APPLICATION NUMBER: 09/713,601
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: 09/381,212
; PRIOR FILING DATE: 2000-02-08
; PRIOR APPLICATION NUMBER: 09/350,309
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 08/823,516
; PRIOR FILING DATE: 1997-03-24
; PRIOR APPLICATION NUMBER: 08/759,038
; PRIOR FILING DATE: 1996-12-02
; PRIOR APPLICATION NUMBER: 08/756,386
; PRIOR FILING DATE: 1996-11-26
; PRIOR APPLICATION NUMBER: 08/682,853
; PRIOR FILING DATE: 1996-07-12
; PRIOR APPLICATION NUMBER: 08/599,491
; PRIOR FILING DATE: 1996-01-24
; NUMBER OF SEQ ID NOS: 253
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 337
; TYPE: RNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-290-386-45

Query Match          100.0%; Score 20; DB 6; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 274 TTGCGACCCCAACTACTC 255

RESULT 155
US-10-356-861-45/c
; Sequence 45, Application US/10356861
; Publication No. US20040072182A1
; GENERAL INFORMATION:
; APPLICANT: Victor, Lyamichev
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff
; APPLICANT: Lukowiak, Andrew A.
; TITLE OF INVENTION: Methods and Compositions for Detecting Target Sequences
; FILE REFERENCE: FORS-07813
; CURRENT APPLICATION NUMBER: US/10/356,861
; CURRENT FILING DATE: 2003-02-03
; NUMBER OF SEQ ID NOS: 254
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45
; LENGTH: 337
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-356-861-45

Query Match          100.0%; Score 20; DB 7; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 274 TTGCGACCCCAACTACTC 255

RESULT 156
US-10-309-584-45/c
; Sequence 45, Application US/10309584
; Publication No. US2004021474A1
; GENERAL INFORMATION:
; APPLICANT: Neri, Bruce P.
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor
; APPLICANT: Smith, Lloyd M.
; TITLE OF INVENTION: Reactions on Dendrimers
; FILE REFERENCE: FORS-06478
; CURRENT APPLICATION NUMBER: US/10/309,584
; CURRENT FILING DATE: 2002-12-04
; PRIOR APPLICATION NUMBER: US/09/940,244
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 422
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 45
; LENGTH: 337
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-309-584-45

Query Match          100.0%; Score 20; DB 8; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 274 TTGCGACCCCAACTACTC 255

RESULT 157
US-10-897-793-45/c
; Sequence 45, Application US/10897793
; Publication No. US20050003432A1
; GENERAL INFORMATION:
; APPLICANT: Hall, Jeff G.
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Mast, Andrea L.
; APPLICANT: Brow, Mary Ann D.
; TITLE OF INVENTION: Detection Of Nucleic Acids By Multiple Sequential Invasive Cleavages
; NUMBER OF SEQUENCES: 190
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/897,793
; FILING DATE: 23-Jul-2004
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/01072
; FILING DATE: 21-JAN-1997
; APPLICATION NUMBER: US 08/759,038
; FILING DATE: 02-DEC-1996
```



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/ APPLICATION NUMBER: US 08/758,314
/ FILING DATE: 02-DEC-1996
/ APPLICATION NUMBER: US 08/756,386
/ FILING DATE: 29-NOV-1996
/ APPLICATION NUMBER: US 08/682,853
/ FILING DATE: 12-JUL-1996
/ APPLICATION NUMBER: US 08/599,491
/ FILING DATE: 24-JAN-1996
/ APPLICATION NUMBER: US 08/823,516
/ FILING DATE: 24-MAR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: MacKnight, Kamrin T.
/ REGISTRATION NUMBER: 38,230
/ REFERENCE/DOCKET NUMBER: FORS-03295
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 45:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 337 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: RNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 45:
US-10-897-793-45

Query Match 100.0%; Score 20; DB 8; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20
Db 274 TTCGGACCCCACTACTC 255

RESULT 158
US-10-783-557-45/c
/ Sequence 45, Application US/10783557
/ Publication No. US20050048527A1
/ GENERAL INFORMATION:
/ APPLICANT: Allawi, Hatim T.
/ APPLICANT: Kaiser, Michael W.
/ APPLICANT: Ma, Wu-Po
/ APPLICANT: Neri, Bruce P.
/ APPLICANT: Lyamichev, Victor I.
/ TITLE OF INVENTION: Endonuclease-Substrate Complexes
/ FILE REFERENCE: FORS-08907
/ CURRENT APPLICATION NUMBER: US/10/783,557
/ CURRENT FILING DATE: 2004-02-20
/ NUMBER OF SEQ ID NOS: 533
/ SOFTWARE: Patent in version 3.2
/ SEQ ID NO 45
/ LENGTH: 337
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-783-557-45

Query Match 100.0%; Score 20; DB 8; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20
Db 274 TTCGGACCCCACTACTC 255

RESULT 159
US-11-103-943-56/c
/ Sequence 56, Application US/11103943
/ Publication No. US20050181435A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: Prudent, James R.
/ Hall, Jeff G.
/ Lyamichev, Victor I.
/ TITLE OF INVENTION: Invasive Cleavage Of Nucleic Acids
/ NUMBER OF SEQUENCES: 69
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Medien & Carroll, LLP
/ STREET: 220 Montgomery Street, Suite 2200
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: United States Of America
/ ZIP: 94104
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/11/103,943
/ FILING DATE: 12-Apr-2005
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/982,667
/ FILING DATE: 18-Oct-2001
/ APPLICATION NUMBER: 08/756,386
/ FILING DATE: <Unknown>
/ APPLICATION NUMBER: US 08/682,853
/ FILING DATE: 12-JUL-1996
/ APPLICATION NUMBER: US 08/599,491
/ FILING DATE: 24-JAN-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Ingolia, Diane E.
/ REGISTRATION NUMBER: 40,027
/ REFERENCE/DOCKET NUMBER: FORS-02564
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 705-8410
/ TELEFAX: (415) 397-8338
/ INFORMATION FOR SEQ ID NO: 56:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 337 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: not relevant
/ TOPOLOGY: not relevant
/ MOLECULE TYPE: RNA (genomic)
/ SEQUENCE DESCRIPTION: SEQ ID NO: 56:
US-11-103-943-56

Query Match 100.0%; Score 20; DB 10; Length 337;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGGACCCCACTACTC 20
Db 274 TTCGGACCCCACTACTC 255

RESULT 160
US-03-814-292-44/c
/ Sequence 44, Application US/09814292
/ Patent No. US20020120117A1
/ GENERAL INFORMATION:
/ APPLICANT: Yu, De-Chao
/ APPLICANT: Zhang, Hong
/ APPLICANT: Henderson, Daniel R.
/ TITLE OF INVENTION: HUMAN UROTHELIAL CELL SPECIFIC UROPLAKIN
/ TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY SEQUENCES, VECTORS COMPRISING
/ TITLE OF INVENTION: UROPLAKIN-SPECIFIC TRANSCRIPTIONAL REGULATORY SEQUENCES, AND
/ TITLE OF INVENTION: METHODS OF USE THEREOF
/ FILE REFERENCE: 348022001500
/ CURRENT APPLICATION NUMBER: US/09/814,292
/ CURRENT FILING DATE: 2001-10-12
/ PRIOR APPLICATION NUMBER: 60/191,861
```

; PRIOR FILING DATE: 2000-03-24  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 44  
; LENGTH: 341  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' UTR region of HCV  
US-09-814-292-44

Query Match 100.0%; Score 20; DB 3; Length 341;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 161  
US-09-814-357-3/c  
; Sequence 3, Application US/09814357  
; Publication No. US20030068307A1  
; GENERAL INFORMATION:  
; APPLICANT: Yu, De-Chao  
; APPLICANT: Chen, Yu  
; APPLICANT: Henderson, Daniel R.  
; TITLE OF INVENTION: METHODS OF TREATING NEOPLASIA  
; TITLE OF INVENTION: WITH COMBINATION TARGET CELL-SPECIFIC ADENOVIRUS,  
; TITLE OF INVENTION: CHEMOTHERAPY AND RADIATION  
; FILE REFERENCE: 348022001600  
; CURRENT APPLICATION NUMBER: US/09/814,357  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 60/192,015  
; PRIOR FILING DATE: 2000-03-24  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 341  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' UTR region of HCV  
US-09-814-357-3

Query Match 100.0%; Score 20; DB 3; Length 341;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 162  
US-09-814-351-3/c  
; Sequence 3, Application US/09814351  
; Publication No. US20030148520A1  
; GENERAL INFORMATION:  
; APPLICANT: Yu, De-Chao  
; APPLICANT: Li, Yuanhao  
; APPLICANT: Henderson, Daniel R.  
; TITLE OF INVENTION: CELL-SPECIFIC ADENOVIRUS VECTORS  
; TITLE OF INVENTION: COMPRISING AN INTERNAL RIBOSOME ENTRY SITE  
; FILE REFERENCE: 348022001700  
; CURRENT APPLICATION NUMBER: US/09/814,351  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/192,156  
; PRIOR FILING DATE: 2000-03-24  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3

; LENGTH: 341  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' UTR region of HCV  
US-09-814-351-3

Query Match 100.0%; Score 20; DB 3; Length 341;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 163  
US-10-259-275-35/c  
; Sequence 35, Application US/10259275  
; Publication No. US20030125541A1  
; GENERAL INFORMATION:  
; APPLICANT: Lemon, Stanley M.  
; APPLICANT: Yi, Minkyung  
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE  
; FILE REFERENCE: 265.0007 0120  
; CURRENT APPLICATION NUMBER: US/10/259,275  
; CURRENT FILING DATE: 2003-01-13  
; PRIOR APPLICATION NUMBER: US 60/171,909  
; PRIOR FILING DATE: 1999-12-23  
; PRIOR APPLICATION NUMBER: US 09/747,419  
; PRIOR FILING DATE: 2000-12-23  
; PRIOR APPLICATION NUMBER: US 60/325,236  
; PRIOR FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: US 60/338,123  
; PRIOR FILING DATE: 2001-11-13  
; NUMBER OF SEQ ID NOS: 73  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 35  
; LENGTH: 341  
; TYPE: DNA  
; ORGANISM: ARTIFICIAL  
; FEATURE:  
; OTHER INFORMATION: nucleotide sequence of 5' NTR  
US-10-259-275-35

Query Match 100.0%; Score 20; DB 6; Length 341;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
| | | | | | | | | | | | | | | | | | | | | |  
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 164  
US-10-691-045-3/c  
; Sequence 3, Application US/10691045  
; Publication No. US20040146489A1  
; GENERAL INFORMATION:  
; APPLICANT: Yu, De-Chao  
; APPLICANT: Li, Yuanhao  
; APPLICANT: Henderson, Daniel R.  
; TITLE OF INVENTION: CELL-SPECIFIC ADENOVIRUS VECTORS  
; TITLE OF INVENTION: COMPRISING AN INTERNAL RIBOSOME ENTRY SITE  
; FILE REFERENCE: 348022001700  
; CURRENT APPLICATION NUMBER: US/10/691,045  
; CURRENT FILING DATE: 2003-10-21  
; PRIOR APPLICATION NUMBER: US/09/814,351  
; PRIOR FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: 60/192,156  
; PRIOR FILING DATE: 2000-03-24  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 4.0

```
; SEQ ID NO 3
; LENGTH: 341
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5' UTR region of HCV
US-10-691-045-3

Query Match      100.0%; Score 20; DB 7; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 275 TTGCGACCCCAACTACTC 256

RESULT 165
US-11-006-313-35/c
; Sequence 35, Application US/11006313
; Publication No. US20050153281A1
; GENERAL INFORMATION:
; APPLICANT: Lemon, Stanley M.
; APPLICANT: Yi, MinKyung
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
; FILE REFERENCE: 265.0007 0121
; CURRENT APPLICATION NUMBER: US/11/006,313
; CURRENT FILING DATE: 2004-12-06
; PRIOR APPLICATION NUMBER: US 60/171,909
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 10/259,275
; PRIOR FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: US 09/747,419
; PRIOR FILING DATE: 2000-12-23
; PRIOR APPLICATION NUMBER: US 60/325,236
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/338,123
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 35
; LENGTH: 341
; TYPE: DNA
; ORGANISM: ARTIFICIAL
; FEATURE:
; OTHER INFORMATION: nucleotide sequence of 5' NTR
US-11-006-313-35

Query Match      100.0%; Score 20; DB 10; Length 341;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 275 TTGCGACCCCAACTACTC 256

RESULT 166
US-10-132-295-1/c
; Sequence 1, Application US/10132295
; Publication No. US20030124550A1
; GENERAL INFORMATION:
; APPLICANT: BML, Inc.
; TITLE OF INVENTION: METHOD OF SCREENING DRUG FOR HEPATITIS C
; FILE REFERENCE: Q69614
; CURRENT APPLICATION NUMBER: US/10/132,295
; CURRENT FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: JP 2001-329728
; PRIOR FILING DATE: 2001-10-26
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 347
; ORGANISM: Hepatitis C virus
```

```
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-132-295-1

Query Match      100.0%; Score 20; DB 6; Length 347;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 275 TTGCGACCCCAACTACTC 256

RESULT 167
US-09-877-526A-48/c
; Sequence 48, Application US/09877526A
; Patent No. US20020102568A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: Usman, Naasim
; APPLICANT: McSwiggen, Jim
; APPLICANT: Zinnen, Shawn
; APPLICANT: Seiwert, Scott
; APPLICANT: Haerberli, Pete
; APPLICANT: Chowrira, Bharat
; APPLICANT: Blatt, Larry
; APPLICANT: Vaish, Narendra
; TITLE OF INVENTION: A Process for the Detection of Nucleic Acid Using Nucleic Acid C
; FILE REFERENCE: MBH00-816-C (700/002)
; CURRENT APPLICATION NUMBER: US/09/877,526A
; CURRENT FILING DATE: 2001-03-06
; PRIOR APPLICATION NUMBER: 60/187,128
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 48
; LENGTH: 366
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-877-526A-48

Query Match      100.0%; Score 20; DB 3; Length 366;
Best Local Similarity 100.0%; Pred. No. 0.019;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGACCCCAACTACTC 20
    |||||
Db 275 TTGCGACCCCAACTACTC 256

RESULT 168
US-09-992-160-48/c
; Sequence 48, Application US/09992160
; Publication No. US20030008295A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc
; APPLICANT: Usman, Naasim
; APPLICANT: McSwiggen, Jim
; APPLICANT: Zinnen, Shawn
; APPLICANT: Seiwert, Scott
; APPLICANT: Haerberli, Pete
; APPLICANT: Chowrira, Bharat
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Nucleic Acid Sensor Molecules
; FILE REFERENCE: MBH00-816-D (700/004)
; CURRENT APPLICATION NUMBER: US/09/992,160
; CURRENT FILING DATE: 2001-11-05
; NUMBER OF SEQ ID NOS: 58
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 48
; LENGTH: 366
; TYPE: RNA
; ORGANISM: Hepatitis C virus
```

## US-09-992-160-48

Query Match 100.0%; Score 20; DB 3; Length 366;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACACTACTC 20  
|||||  
Db 275 TTCCGACCCCAACACTACTC 256

## RESULT 169

US-09-740-332-9701/c  
; Sequence 9701, Application US/09740332  
; Publication No. US20030125270A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: RPI 400/003  
; CURRENT APPLICATION NUMBER: US/09/740.332  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9704  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 9701  
; LENGTH: 366  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: HCV 5' UTR  
US-09-740-332-9701

Query Match 100.0%; Score 20; DB 3; Length 366;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACACTACTC 20  
|||||  
Db 276 TTCCGACCCCAACACTACTC 257

## RESULT 170

US-09-817-879-9701/c  
; Sequence 9701, Application US/09817879  
; Publication No. US2003017131A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: MHB00-801-F  
; CURRENT APPLICATION NUMBER: US/09/817.879  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 9701  
; LENGTH: 366  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: HCV 5' UTR  
US-09-817-879-9701

Query Match 100.0%; Score 20; DB 3; Length 366;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACACTACTC 20  
|||||  
Db 276 TTCCGACCCCAACACTACTC 257

## RESULT 171

US-10-056-761-48/c  
; Sequence 48, Application US/10056761  
; Publication No. US20030065155A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals, Inc  
; APPLICANT: Uman, Nassim  
; APPLICANT: McSwiggen, Jim  
; APPLICANT: Zinnen, Shawn  
; APPLICANT: Seiwert, Scott  
; APPLICANT: Haeblerli, Pete  
; APPLICANT: Chowrira, Bharat  
; APPLICANT: Blatt, Larry  
; TITLE OF INVENTION: Nucleic Acid Sensor Molecules  
; FILE REFERENCE: MHB00-816-E (700/005)  
; CURRENT APPLICATION NUMBER: US/10/056.761  
; CURRENT FILING DATE: 2002-01-23  
; NUMBER OF SEQ ID NOS: 63  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 48  
; LENGTH: 366  
; TYPE: RNA  
; ORGANISM: Hepatitis C Virus  
US-10-056-761-48

Query Match 100.0%; Score 20; DB 5; Length 366;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGACCCCAACACTACTC 20  
|||||  
Db 275 TTCCGACCCCAACACTACTC 256

## RESULT 172

US-10-422-050-48/c  
; Sequence 48, Application US/10422050  
; Publication No. US20040009510A1  
; GENERAL INFORMATION:  
; APPLICANT: Sirna Therapeutics, Inc.  
; APPLICANT: Seiwert, Scott  
; APPLICANT: Zinnen, Shawn  
; APPLICANT: Vaish, Narendra  
; APPLICANT: Jadhav, Vasant  
; APPLICANT: Kossen, Karl  
; TITLE OF INVENTION: Allosteric Nucleic Acid Sensor Molecules  
; FILE REFERENCE: 700/013 (MHB 00-816-M)  
; CURRENT APPLICATION NUMBER: US/10/422.050  
; CURRENT FILING DATE: 2003-04-23  
; PRIOR APPLICATION NUMBER: PCT/US 02/35529  
; PRIOR FILING DATE: 2002-11-05  
; PRIOR APPLICATION NUMBER: US 10/286,492  
; PRIOR FILING DATE: 2002-11-01  
; PRIOR APPLICATION NUMBER: US 10/283,858  
; PRIOR FILING DATE: 2002-10-30  
; PRIOR APPLICATION NUMBER: US 10/056,761  
; PRIOR FILING DATE: 2002-01-23  
; PRIOR APPLICATION NUMBER: US 09/992,160  
; PRIOR FILING DATE: 2002-11-05  
; PRIOR APPLICATION NUMBER: US 09/877,526  
; PRIOR FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 09/800,594  
; PRIOR FILING DATE: 2001-03-06  
; PRIOR APPLICATION NUMBER: US 60/187,128  
; PRIOR FILING DATE: 2000-03-06  
; NUMBER OF SEQ ID NOS: 102  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 48  
; LENGTH: 366  
; TYPE: RNA  
; ORGANISM: Hepatitis C Virus



FILE REFERENCE: STAN-196  
CURRENT APPLICATION NUMBER: US/10/332,626  
CURRENT FILING DATE: 2003-09-08  
PRIOR APPLICATION NUMBER: PCT/US01/21871  
PRIOR FILING DATE: 2001-07-10  
PRIOR APPLICATION NUMBER: 60/217,673  
PRIOR FILING DATE: 2000-07-10  
NUMBER OF SEQ ID NOS: 5  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 1  
LENGTH: 384  
TYPE: RNA  
ORGANISM: Hepatitis C virus  
US-10-332-626-1

Query Match 100.0%; Score 20; DB 7; Length 384;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 276 TTCGCGACCCCAACTACTC 257

## RESULT 177

US-09-940-925A-122/c  
Sequence 122, Application US/09940925A  
Publication No. US20030054338A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.  
OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/940,925A  
FILING DATE: 10-Jun-2002  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 122:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 122:  
US-09-940-925A-122

Query Match 100.0%; Score 20; DB 3; Length 386;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20

Db 323 TTCGCGACCCCAACTACTC 304

## RESULT 178

US-09-941-193A-122/c  
Sequence 122, Application US/09941193A  
Publication No. US20030108873A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.  
OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193A  
FILING DATE: 28-Aug-2001  
CLASSIFICATION: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 122:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
SEQUENCE DESCRIPTION: SEQ ID NO: 122:  
US-09-941-193A-122

Query Match 100.0%; Score 20; DB 3; Length 386;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 323 TTCGCGACCCCAACTACTC 304

## RESULT 179

US-10-409-594-122/c  
Sequence 122, Application US/10409594  
Publication No. US20050158716A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
LYAMICHEV, VICTOR I.  
OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS

NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA

; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA: US/10/409,594  
; APPLICATION NUMBER: US/10/409,594  
; FILING DATE: 08-Apr-2003  
; CLASSIFICATION: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 122:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 386 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; SEQUENCE DESCRIPTION: SEQ ID NO: 122:  
US-10-409-594-122

Query Match 100.0%; Score 20; DB 9; Length 386;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20  
|||||  
DB 323 TTCGCGACCCCACTACTC 304

## RESULT 180

US-10-276-513-5/c  
; Sequence 5, Application US/10276513  
; Publication No. US20030143528A1  
; GENERAL INFORMATION:  
; APPLICANT: KOHARA, MICHINORI  
; APPLICANT: MATSUZAKI, JUNICHI  
; APPLICANT: OKAMOTO, KOUICHI  
; APPLICANT: KATSUME, ASAO  
; TITLE OF INVENTION: VECTOR FOR ANALYSING REPLICATION MECHANISM OF RNA VIRUS AND USE  
; FILE REFERENCE: 382.1038  
; CURRENT APPLICATION NUMBER: US/10/276,513  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: PCT/JP01/04033  
; PRIOR FILING DATE: 2001-05-15  
; PRIOR APPLICATION NUMBER: JP 2000-142451  
; PRIOR FILING DATE: 2000-05-15  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 5  
; LENGTH: 393  
; TYPE: DNA  
; ORGANISM: Hepatitis C Virus  
US-10-276-513-5

Query Match 100.0%; Score 20; DB 6; Length 393;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20  
|||||  
DB 287 TTCGCGACCCCACTACTC 268

## RESULT 181

US-10-276-513-4/c

; Sequence 4, Application US/10276513  
; Publication No. US20030143528A1  
; GENERAL INFORMATION:  
; APPLICANT: KOHARA, MICHINORI  
; APPLICANT: MATSUZAKI, JUNICHI  
; APPLICANT: OKAMOTO, KOUICHI  
; APPLICANT: KATSUME, ASAO  
; TITLE OF INVENTION: VECTOR FOR ANALYSING REPLICATION MECHANISM OF RNA VIRUS AND USE  
; FILE REFERENCE: 382.1038  
; CURRENT APPLICATION NUMBER: US/10/276,513  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: PCT/JP01/04033  
; PRIOR FILING DATE: 2001-05-15  
; PRIOR APPLICATION NUMBER: JP 2000-142451  
; PRIOR FILING DATE: 2000-05-15  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4  
; LENGTH: 412  
; TYPE: DNA  
; ORGANISM: Hepatitis C Virus  
US-10-276-513-4

Query Match 100.0%; Score 20; DB 6; Length 412;  
Best Local Similarity 100.0%; Pred. No. 0.019;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20  
|||||  
DB 306 TTCGCGACCCCACTACTC 287

RESULT 182

US-09-851-138-59/c  
; Sequence 59, Application US/09851138  
; Publication No. US20020183508A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT  
; STUYVER, LIEVEN  
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES  
; AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC  
; AGENTS  
; NUMBER OF SEQUENCES: 207  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: ARNOLD, WHITE & DURKEE  
; STREET: P.O. BOX 4433  
; CITY: HOUSTON  
; STATE: TEXAS  
; COUNTRY: USA  
; ZIP: 77210-4433  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Microsoft Word 6.0 / ASCII text output  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/851,138  
; FILING DATE: 09-May-2001  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/836,075  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: EP 94870166.9  
; FILING DATE: 21 Oct 1994  
; APPLICATION NUMBER: EP 95870076.7  
; FILING DATE: 28 Jun 1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: KAMMERER, PATRICIA A.  
; REGISTRATION NUMBER: 29,775  
; REFERENCE/DOCKET NUMBER: INNS:004  
; INFORMATION FOR SEQ ID NO: 59:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 652 base pairs  
; TYPE: nucleic acid

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; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 59:
US-09-851-138-59

Query Match          100.0%; Score 20; DB 3; Length 652;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 172 TTTCGGACCCCAACTACTC 153

RESULT 183
US-09-853-409-37/c
; Sequence 37, Application US/09853409
; Publication No. US20030171313A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US20030171313A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; TITLE OF INVENTION: Virus-Associated Disease
; FILE REFERENCE: ISPH-0569
; CURRENT APPLICATION NUMBER: US/09/853,409
; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1996-05-17
; PRIOR APPLICATION NUMBER: 08/452,841
; PRIOR FILING DATE: 1995-05-30
; PRIOR APPLICATION NUMBER: 08/397,330
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-09-853-409-37

Query Match          100.0%; Score 20; DB 3; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 274 TTTCGGACCCCAACTACTC 255

RESULT 184
US-10-457-304-37/c
; Sequence 37, Application US/10457304
; Publication No. US20040033978A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US20040033978A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; TITLE OF INVENTION: Virus-Associated Disease
```

```
; FILE REFERENCE: ISPH-0569
; CURRENT APPLICATION NUMBER: US/10/457,304
; CURRENT FILING DATE: 2003-06-09
; PRIOR APPLICATION NUMBER: US/09/853,409
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1996-05-17
; PRIOR APPLICATION NUMBER: 08/452,841
; PRIOR FILING DATE: 1995-05-30
; PRIOR APPLICATION NUMBER: 08/397,330
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-457-304-37

Query Match          100.0%; Score 20; DB 7; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 274 TTTCGGACCCCAACTACTC 255

RESULT 185
US-10-454-293-37/c
; Sequence 37, Application US/10454293
; Publication No. US20040049021A1
; GENERAL INFORMATION:
; APPLICANT: Anderson, Kevin P.
; APPLICANT: Hanecak, Ronnie C.
; APPLICANT: No. US20040049021A1, Chikateru
; APPLICANT: Dorr, F. Andrew
; APPLICANT: Kwoh, T. Jesse
; TITLE OF INVENTION: Compositions and Methods for Treatment of Hepatitis C
; TITLE OF INVENTION: Virus-Associated Disease
; FILE REFERENCE: ISPH-0743
; CURRENT APPLICATION NUMBER: US/10/454,293
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: 09/853,409
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 08/988,321
; PRIOR FILING DATE: 1997-12-10
; PRIOR APPLICATION NUMBER: 08/650,093
; PRIOR FILING DATE: 1996-05-17
; PRIOR APPLICATION NUMBER: 08/452,841
; PRIOR FILING DATE: 1995-05-30
; PRIOR APPLICATION NUMBER: 08/397,330
; PRIOR FILING DATE: 1995-03-09
; PRIOR APPLICATION NUMBER: 07/945,289
; PRIOR FILING DATE: 1992-09-10
; PRIOR APPLICATION NUMBER: 09/690,936
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 37
; LENGTH: 685
; TYPE: RNA
; ORGANISM: Hepatitis C virus
US-10-454-293-37

Query Match          100.0%; Score 20; DB 7; Length 685;
Best Local Similarity 100.0%; Pred. No. 0.018;
```



```
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTCGCGACCCCACTACTC 20
Db 274 TTCGCGACCCCACTACTC 255

RESULT 186
US-10-066-130-20
; Sequence 20, Application US/10066130
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; PRIOR FILING DATE: 2002-01-31
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 2327
; TYPE: DNA
; ORGANISM: viral
US-10-066-130-20

Query Match 100.0%; Score 20; DB 6; Length 2327;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTCGCGACCCCACTACTC 20
Db 2053 TTCGCGACCCCACTACTC 2072

RESULT 187
US-10-734-801-20
; Sequence 20, Application US/10734801
; Publication No. US20040126388A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171-DIV
; CURRENT APPLICATION NUMBER: US/10/734,801
; PRIOR FILING DATE: 2003-12-12
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 2327
; TYPE: DNA
; ORGANISM: viral
US-10-734-801-20

Query Match 100.0%; Score 20; DB 7; Length 2327;
Best Local Similarity 100.0%; Pred. No. 0.017;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTCGCGACCCCACTACTC 20
Db 2053 TTCGCGACCCCACTACTC 2072

RESULT 188
US-10-066-130-19
; Sequence 19, Application US/10066130
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
```

```
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; PRIOR FILING DATE: 2002-01-31
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 2674
; TYPE: DNA
; ORGANISM: viral
US-10-066-130-19

Query Match 100.0%; Score 20; DB 6; Length 2674;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTCGCGACCCCACTACTC 20
Db 2400 TTCGCGACCCCACTACTC 2419

RESULT 189
US-10-734-801-19
; Sequence 19, Application US/10734801
; Publication No. US20040126388A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171-DIV
; CURRENT APPLICATION NUMBER: US/10/734,801
; PRIOR FILING DATE: 2003-12-12
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 19
; LENGTH: 2674
; TYPE: DNA
; ORGANISM: viral
US-10-734-801-19

Query Match 100.0%; Score 20; DB 7; Length 2674;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 TTCGCGACCCCACTACTC 20
Db 2400 TTCGCGACCCCACTACTC 2419

RESULT 190
US-10-066-130-18
; Sequence 18, Application US/10066130
; Publication No. US20030175683A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase
; FILE REFERENCE: PH-7171 NP
; CURRENT APPLICATION NUMBER: US/10/066,130
; PRIOR FILING DATE: 2002-01-31
; PRIOR FILING DATE: 2001-01-31
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 2771
; TYPE: DNA
; ORGANISM: viral
```

## US-10-066-130-18

Query Match 100.0%; Score 20; DB 6; Length 2771;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGCGACCCCAACTACTC 20  
|||||  
Db 2400 TTCCGCGACCCCAACTACTC 2419

## RESULT 191

US-10-734-801-18  
; Sequence 18, Application US/10734801  
; Publication No. US20040126388A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase  
; TITLE OF INVENTION: Viruses  
; FILE REFERENCE: PH-7171-DIV  
; CURRENT APPLICATION NUMBER: US/10/734,801  
; CURRENT FILING DATE: 2003-12-12  
; PRIOR APPLICATION NUMBER: US 60/265,437  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 18  
; LENGTH: 2771  
; TYPE: DNA  
; ORGANISM: viral  
; US-10-734-801-18

Query Match 100.0%; Score 20; DB 7; Length 2771;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGCGACCCCAACTACTC 20  
|||||  
Db 2400 TTCCGCGACCCCAACTACTC 2419

## RESULT 192

US-10-066-130-17  
; Sequence 17, Application US/10066130  
; Publication No. US20030175683A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase  
; TITLE OF INVENTION: Viruses  
; FILE REFERENCE: PH-7171 NP  
; CURRENT APPLICATION NUMBER: US/10/066,130  
; CURRENT FILING DATE: 2002-01-31  
; PRIOR APPLICATION NUMBER: US 60/265,437  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 17  
; LENGTH: 5860  
; TYPE: DNA  
; ORGANISM: viral  
; US-10-066-130-17

Query Match 100.0%; Score 20; DB 6; Length 5860;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGCGACCCCAACTACTC 20  
|||||  
Db 2400 TTCCGCGACCCCAACTACTC 2419

## RESULT 193

US-10-734-801-17

; Sequence 17, Application US/10734801  
; Publication No. US20040126388A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: In Vitro System for Replication of RNA-Dependent RNA Polymerase  
; TITLE OF INVENTION: Viruses  
; FILE REFERENCE: PH-7171-DIV  
; CURRENT APPLICATION NUMBER: US/10/734,801  
; CURRENT FILING DATE: 2003-12-12  
; PRIOR APPLICATION NUMBER: US 60/265,437  
; PRIOR FILING DATE: 2001-01-31  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 17  
; LENGTH: 5860  
; TYPE: DNA  
; ORGANISM: viral  
; US-10-734-801-17

Query Match 100.0%; Score 20; DB 7; Length 5860;  
Best Local Similarity 100.0%; Pred. No. 0.016;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGCGACCCCAACTACTC 20  
|||||  
Db 2400 TTCCGCGACCCCAACTACTC 2419

## RESULT 194

US-10-434-842-16/c  
; Sequence 16, Application US/10434842  
; Publication No. US20040005549A1  
; GENERAL INFORMATION:  
; APPLICANT: Bichko, Vadim  
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REPLICATION  
; FILE REFERENCE: 0342/1H395US3  
; CURRENT APPLICATION NUMBER: US/10/434,842  
; CURRENT FILING DATE: 2003-05-09  
; PRIOR APPLICATION NUMBER: US 10/233,307  
; PRIOR FILING DATE: 2002-08-28  
; PRIOR APPLICATION NUMBER: US 10/005,469  
; PRIOR FILING DATE: 2001-11-07  
; PRIOR APPLICATION NUMBER: US 60/245,866  
; PRIOR FILING DATE: 2000-11-07  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 16  
; LENGTH: 7989  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: FCA4 Replicon Sequence  
; US-10-434-842-16

Query Match 100.0%; Score 20; DB 6; Length 7989;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCCGCGACCCCAACTACTC 20  
|||||  
Db 275 TTCCGCGACCCCAACTACTC 256

## RESULT 195

US-10-639-150-1/c  
; Sequence 1, Application US/10639150  
; Publication No. US20040121975A1  
; GENERAL INFORMATION:  
; APPLICANT: BRISTOL-MYERS SQUIBB COMPANY  
; TITLE OF INVENTION: HEPATITIS C VIRUS ASSAYS  
; FILE REFERENCE: D0224 NP  
; CURRENT APPLICATION NUMBER: US/10/639,150  
; CURRENT FILING DATE: 2003-08-12

; PRIOR APPLICATION NUMBER: US 60/402,661  
; PRIOR FILING DATE: 2002-08-12  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 7989  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: HCV Replicon  
US-10-639-150-1

Query Match 100.0%; Score 20; DB 7; Length 7989;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 275 TTTCGGACCCCAACTACTC 256

## RESULT 196

US-10-897-648-17/c  
; Sequence 17, Application US/10897648  
; Publication No. US20050043266A1  
; GENERAL INFORMATION:  
; APPLICANT: Jayasena, Samedha  
; TITLE OF INVENTION: SHORT INTERFERING RNA AS AN ANTIVIRAL AGENT FOR HEPATITIS C  
; FILE REFERENCE: A-835  
; CURRENT APPLICATION NUMBER: US/10/897,648  
; CURRENT FILING DATE: 2004-07-22  
; PRIOR APPLICATION NUMBER: 60/490,204  
; PRIOR FILING DATE: 2003-07-25  
; NUMBER OF SEQ ID NOS: 32  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17  
; LENGTH: 7989  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-897-648-17

Query Match 100.0%; Score 20; DB 8; Length 7989;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
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Db 275 TTTCGGACCCCAACTACTC 256

## RESULT 197

US-10-005-469-1/c  
; Sequence 1, Application US/10005469  
; Publication No. US20020155133A1  
; GENERAL INFORMATION:  
; APPLICANT: ANADYS Pharmaceuticals, Inc.  
; APPLICANT: Bichko, Vadim  
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REPLICATION  
; FILE REFERENCE: 0342/IH395US1  
; CURRENT APPLICATION NUMBER: US/10/005,469  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: US 60/245,866  
; PRIOR FILING DATE: 2000-11-07  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 7992  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: HCV replicon I377/NS3-3'UTR  
US-10-005-469-1

Query Match 100.0%; Score 20; DB 5; Length 7992;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
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Db 275 TTTCGGACCCCAACTACTC 256

## RESULT 198

US-10-005-469-2/c  
; Sequence 2, Application US/10005469  
; Publication No. US20020155133A1  
; GENERAL INFORMATION:  
; APPLICANT: ANADYS Pharmaceuticals, Inc.  
; APPLICANT: Bichko, Vadim  
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REPLICATION  
; FILE REFERENCE: 0342/IH395US1  
; CURRENT APPLICATION NUMBER: US/10/005,469  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: US 60/245,866  
; PRIOR FILING DATE: 2000-11-07  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 7992  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVR2  
US-10-005-469-2

Query Match 100.0%; Score 20; DB 5; Length 7992;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
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Db 275 TTTCGGACCCCAACTACTC 256

## RESULT 199

US-10-005-469-4/c  
; Sequence 4, Application US/10005469  
; Publication No. US20020155133A1  
; GENERAL INFORMATION:  
; APPLICANT: ANADYS Pharmaceuticals, Inc.  
; APPLICANT: Bichko, Vadim  
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REPLICATION  
; FILE REFERENCE: 0342/IH395US1  
; CURRENT APPLICATION NUMBER: US/10/005,469  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: US 60/245,866  
; PRIOR FILING DATE: 2000-11-07  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 7992  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVR9  
US-10-005-469-4

Query Match 100.0%; Score 20; DB 5; Length 7992;  
Best Local Similarity 100.0%; Pred. No. 0.015;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20  
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Db 275 TTTCGGACCCCAACTACTC 256

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RESULT 200
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; Sequence 5, Application US/10005469
; Publication No. US20020155133A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY RE
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/10/005,469
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon from cell line HCVR22
US-10-005-469-5

Query Match      100.0%; Score 20; DB 5; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.015;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  TTCGCGACCCCACTACTC 20
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Db      275 TTCGCGACCCCACTACTC 256

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OM nucleic - nucleic search, using sw model

Run on: February 27, 2006, 08:13:06 ; Search time 640.526 Seconds  
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Title: US-08-887-505B-28

Perfect score: 20

Sequence: 1 TTCGCGACCACTACTC 20

Scoring table: OLIGO\_NUC

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Minimum DB seq length: 0

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- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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C 5	20	100.0	281	9	US-11-198-746-128
C 6	20	100.0	281	9	US-11-198-746-129
C 7	20	100.0	281	9	US-11-198-746-132
C 8	20	100.0	281	9	US-11-198-746-121
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C 10	20	100.0	281	9	US-11-198-746-126
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C 12	20	100.0	281	9	US-11-198-746-128
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C 14	20	100.0	281	9	US-11-198-746-132
C 15	20	100.0	282	9	US-11-198-746-124
C 16	20	100.0	282	9	US-11-198-746-130
C 17	20	100.0	282	9	US-11-198-746-124
C 18	20	100.0	282	9	US-11-198-746-124
C 19	20	100.0	282	9	US-11-198-746-130
C 20	20	100.0	326	7	US-10-538-471-1
C 21	20	100.0	341	9	US-11-166-234-3

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C 22	20	100.0	386	9	US-11-198-794-122	Sequence 122, App
C 23	20	100.0	7848	12	US-11-173-792-7	Sequence 7, Appli
C 24	20	100.0	7979	8	US-10-509-921-9	Sequence 9, Appli
C 25	20	100.0	7979	8	US-10-509-921-10	Sequence 10, Appli
C 26	20	100.0	7979	8	US-10-509-921-11	Sequence 11, Appli
C 27	20	100.0	7979	8	US-10-509-921-12	Sequence 12, Appli
C 28	20	100.0	7980	8	US-10-509-921-4	Sequence 4, Appli
C 29	20	100.0	7980	8	US-10-509-921-5	Sequence 5, Appli
C 30	20	100.0	7980	8	US-10-509-921-7	Sequence 7, Appli
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C 32	20	100.0	7987	12	US-11-173-792-8	Sequence 8, Appli
C 33	20	100.0	7987	12	US-11-173-792-13	Sequence 13, Appli
C 34	20	100.0	7989	8	US-10-509-921-2	Sequence 2, Appli
C 35	20	100.0	7989	8	US-10-509-921-6	Sequence 6, Appli
C 36	20	100.0	7989	8	US-10-509-921-8	Sequence 8, Appli
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C 56	14	70.0	927	8	US-10-793-626-1731	Sequence 1731, Ap
C 57	14	70.0	1505	8	US-10-750-185-25160	Sequence 25160, A
C 58	14	70.0	1505	8	US-10-750-623-35160	Sequence 25160, A
C 59	14	70.0	3652	8	US-10-750-185-56713	Sequence 56713, A
C 60	14	70.0	3652	8	US-10-750-623-56713	Sequence 56713, A
C 61	14	70.0	4069	8	US-10-793-626-3976	Sequence 3976, Ap
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C 71	13	65.0	515	6	US-09-925-065A-471258	Sequence 471258,
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C 75	13	65.0	544	6	US-09-925-065A-277711	Sequence 277711,
C 76	13	65.0	553	6	US-09-925-065A-844056	Sequence 844056,
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C 79	13	65.0	585	6	US-09-925-065A-690825	Sequence 690825,
C 80	13	65.0	587	6	US-09-925-065A-515750	Sequence 515750,
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C 84	13	65.0	602	6	US-09-925-065A-256872	Sequence 256872,
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241	12	60.0	642	6	US-09-925-065A-901285	Sequence 901285,	314	12	60.0	3102	12	US-11-037-243-16	Sequence 16, Appl
242	12	60.0	645	6	US-09-925-065A-942951	Sequence 942951,	c 315	12	60.0	3239	8	US-10-750-185-43230	Sequence 43230, A
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c 244	12	60.0	666	6	US-09-925-065A-893228	Sequence 893228,	c 317	12	60.0	3852	8	US-10-750-185-4106	Sequence 44106, A
c 245	12	60.0	695	6	US-09-925-065A-191987	Sequence 191987,	c 318	12	60.0	3852	8	US-10-750-623-44106	Sequence 44106, A
c 246	12	60.0	695	6	US-09-925-065A-191988	Sequence 191988,	c 319	12	60.0	4270	12	US-11-136-527-2003	Sequence 2003, Ap
c 247	12	60.0	695	6	US-09-925-065A-191989	Sequence 191989,	320	12	60.0	5527	12	US-11-192-967-3	Sequence 3, Appl
c 248	12	60.0	704	6	US-09-925-065A-68678	Sequence 68678, Ap	321	12	60.0	5527	12	US-11-193-715-3	Sequence 3, Appl
249	12	60.0	704	6	US-09-925-065A-935234	Sequence 935234,	c 322	12	60.0	6462	8	US-10-775-169-329	Sequence 329, App
250	12	60.0	704	6	US-09-925-065A-935235	Sequence 935235,	323	12	60.0	11746	9	US-11-174-413-75	Sequence 75, Appl
251	12	60.0	711	6	US-09-925-065A-935235	Sequence 935235,	324	12	60.0	11788	9	US-11-174-413-73	Sequence 73, Appl
252	12	60.0	774	8	US-10-750-185-44894	Sequence 44894, A	325	12	60.0	11803	9	US-11-174-413-74	Sequence 74, Appl
253	12	60.0	774	8	US-10-750-623-44894	Sequence 44894, A	325	12	60.0	11803	9	US-11-174-413-74	Sequence 74, Appl
c 254	12	60.0	811	8	US-10-750-185-22454	Sequence 22454, A	326	12	60.0	11788	9	US-11-174-413-73	Sequence 73, Appl
c 255	12	60.0	811	8	US-10-750-623-22454	Sequence 22454, A	327	12	60.0	65723	12	US-10-995-561-13200	Sequence 187, App
c 256	12	60.0	819	8	US-10-750-623-22454	Sequence 22454, A	327	12	60.0	65723	12	US-10-995-561-13200	Sequence 187, App
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258	12	60.0	913	8	US-10-750-623-32691	Sequence 32691, A	c 329	12	60.0	85980	9	US-11-117-187-208	Sequence 208, Appl
259	12	60.0	985	12	US-11-043-752-3047	Sequence 3047, Ap	c 330	12	60.0	100000	12	US-11-124-367A-5058	Sequence 5058, Ap
c 260	12	60.0	1302	8	US-10-750-185-37682	Sequence 37682, A	c 331	12	60.0	100387	12	US-11-121-086-94	Sequence 94, Appl
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c 262	12	60.0	1307	6	US-09-925-065A-16824	Sequence 16824, A	c 333	12	60.0	141121	8	US-10-995-561-13262	Sequence 13262, A
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c 268	12	60.0	1342	12	US-11-136-527-1863	Sequence 1863, Ap	c 340	12	60.0	207908	12	US-11-112-908-21	Sequence 21, Appl
269	12	60.0	1359	6	US-09-925-065A-726903	Sequence 726903,	c 341	12	60.0	246960	12	US-11-121-086-8	Sequence 8, Appl
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271	12	60.0	1379	6	US-09-925-065A-4115	Sequence 4115, Ap	343	12	60.0	611587	12	US-11-117-187-209	Sequence 209, App
272	12	60.0	1379	6	US-09-925-065A-4116	Sequence 4116, Ap	c 344	12	60.0	1082144	12	US-11-117-187-211	Sequence 211, App
273	12	60.0	1379	6	US-09-925-065A-4117	Sequence 4117, Ap	c 345	11	55.0	18	8	US-10-310-914A-564818	Sequence 564818,
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276	12	60.0	1394	6	US-09-925-065A-4119	Sequence 4119, Ap	c 348	11	55.0	19	8	US-10-310-914A-564818	Sequence 564818,
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c 281	12	60.0	1421	6	US-09-925-065A-702280	Sequence 702280,	353	11	55.0	19	10	US-11-101-244-339348	Sequence 339348,
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283	12	60.0	1455	12	US-11-151-601-42	Sequence 42, Appl	c 354	11	55.0	19	10	US-11-101-244-348877	Sequence 348877,
284	12	60.0	1527	12	US-11-120-308-187	Sequence 187, App	355	11	55.0	19	10	US-11-101-244-348928	Sequence 348928,
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287	12	60.0	1624	8	US-10-750-623-41678	Sequence 41678, A	c 358	11	55.0	19	10	US-11-101-244-348956	Sequence 348956,
c 288	12	60.0	1625	8	US-10-750-185-34391	Sequence 34391, A	359	11	55.0	19	10	US-11-101-244-348956	Sequence 348956,
c 289	12	60.0	1625	8	US-10-750-623-34391	Sequence 34391, A	360	11	55.0	19	10	US-11-101-244-348956	Sequence 348956,
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c 387	11	55.0	21	8	Sequence 736693,	c 460	11	55.0	317	6	Sequence 724453,
c 388	11	55.0	21	8	US-10-310-914A-1019881 Sequence 1019881,	c 461	11	55.0	320	6	Sequence 391182,
c 389	11	55.0	22	8	US-10-310-914A-342697 Sequence 342697,	c 462	11	55.0	320	6	Sequence 391184,
c 390	11	55.0	23	8	US-10-310-914A-189992 Sequence 189992,	c 463	11	55.0	329	6	Sequence 497282,
c 391	11	55.0	23	8	US-10-310-914A-260087 Sequence 260087,	c 464	11	55.0	329	6	Sequence 497283,
c 392	11	55.0	23	8	US-10-310-914A-948501 Sequence 948501,	c 465	11	55.0	352	6	Sequence 913772,
c 393	11	55.0	24	8	US-10-310-914A-260080 Sequence 260080,	c 466	11	55.0	357	8	Sequence 913771,
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c 409	11	55.0	25	12	US-11-121-849-610487 Sequence 610487,	c 482	11	55.0	421	6	Sequence 158806,
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c 418	11	55.0	50	12	US-11-175-859-11242 Sequence 11242, A	c 491	11	55.0	443	6	Sequence 179641,
c 419	11	55.0	50	12	US-11-175-859-27621 Sequence 27621, A	c 492	11	55.0	445	6	Sequence 118725,
c 420	11	55.0	50	12	US-11-175-859-47890 Sequence 47890, A	c 493	11	55.0	446	6	Sequence 188424,
c 421	11	55.0	50	12	US-11-175-859-54518 Sequence 54518, A	c 494	11	55.0	450	6	Sequence 595798,
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c 714	11	55.0	568	6	US-09-925-065A-943224	Sequence 943224,	787	11	55.0	587	6	US-09-925-065A-747877	Sequence 747877,
c 715	11	55.0	569	6	US-09-925-065A-263143	Sequence 263143,	788	11	55.0	588	6	US-09-925-065A-917469	Sequence 917469,
c 716	11	55.0	570	6	US-09-925-065A-395553	Sequence 395553,	c 789	11	55.0	588	6	US-09-925-065A-256299	Sequence 256299,
c 717	11	55.0	570	6	US-09-925-065A-580173	Sequence 580173,	790	11	55.0	588	6	US-09-925-065A-445294	Sequence 445294,
c 718	11	55.0	570	6	US-09-925-065A-580174	Sequence 580174,	791	11	55.0	588	6	US-09-925-065A-816962	Sequence 816962,
c 719	11	55.0	570	6	US-09-925-065A-589039	Sequence 589039,	792	11	55.0	588	6	US-09-925-065A-890970	Sequence 890970,
c 720	11	55.0	570	6	US-09-925-065A-605169	Sequence 605169,	793	11	55.0	588	6	US-09-925-065A-890971	Sequence 890971,
c 721	11	55.0	570	6	US-09-925-065A-951174	Sequence 951174,	794	11	55.0	588	6	US-09-925-065A-914120	Sequence 914120,
c 722	11	55.0	571	6	US-09-925-065A-316561	Sequence 316561,	795	11	55.0	590	6	US-09-925-065A-267399	Sequence 267399,
c 723	11	55.0	571	6	US-09-925-065A-421182	Sequence 421182,	796	11	55.0	590	6	US-09-925-065A-854933	Sequence 854933,
c 724	11	55.0	571	6	US-09-925-065A-503862	Sequence 503862,	c 797	11	55.0	591	6	US-09-925-065A-111674	Sequence 111674,
c 725	11	55.0	571	6	US-09-925-065A-503863	Sequence 503863,	c 798	11	55.0	591	6	US-09-925-065A-111675	Sequence 111675,
c 726	11	55.0	571	12	US-11-136-527-1373	Sequence 1373, Ap	c 799	11	55.0	591	6	US-09-925-065A-205597	Sequence 205597,
c 727	11	55.0	571	12	US-11-136-527-1373	Sequence 5469, Ap	c 800	11	55.0	591	6	US-09-925-065A-263207	Sequence 263207,
c 728	11	55.0	573	6	US-09-925-065A-142603	Sequence 142603,	801	11	55.0	591	6	US-09-925-065A-892282	Sequence 892282,
c 729	11	55.0	573	6	US-09-925-065A-758132	Sequence 758132,	c 802	11	55.0	592	6	US-09-925-065A-108188	Sequence 108188,
c 730	11	55.0	573	6	US-09-925-065A-827491	Sequence 827491,	c 803	11	55.0	592	6	US-09-925-065A-108189	Sequence 108189,
c 731	11	55.0	573	6	US-09-925-065A-857182	Sequence 857182,	804	11	55.0	592	6	US-09-925-065A-327909	Sequence 327909,
c 732	11	55.0	575	6	US-09-925-065A-105575	Sequence 105575,	805	11	55.0	592	6	US-09-925-065A-327910	Sequence 327910,
c 733	11	55.0	575	6	US-09-925-065A-119109	Sequence 119109,	806	11	55.0	592	6	US-09-925-065A-327911	Sequence 327911,
c 734	11	55.0	575	6	US-09-925-065A-119110	Sequence 119110,	807	11	55.0	592	6	US-09-925-065A-483788	Sequence 483788,
c 735	11	55.0	575	6	US-09-925-065A-436520	Sequence 436520,	808	11	55.0	592	6	US-09-925-065A-483789	Sequence 483789,
c 736	11	55.0	575	6	US-09-925-065A-664622	Sequence 664622,	809	11	55.0	592	6	US-09-925-065A-563402	Sequence 563402,
c 737	11	55.0	576	6	US-09-925-065A-772248	Sequence 772248,	810	11	55.0	592	6	US-09-925-065A-801787	Sequence 801787,
c 738	11	55.0	576	6	US-09-925-065A-366843	Sequence 366843,	811	11	55.0	592	6	US-09-925-065A-859168	Sequence 859168,
c 739	11	55.0	576	6	US-09-925-065A-586343	Sequence 586343,	c 812	11	55.0	593	6	US-09-925-065A-896835	Sequence 896835,
c 740	11	55.0	576	6	US-09-925-065A-663056	Sequence 663056,	c 813	11	55.0	593	6	US-09-925-065A-102442	Sequence 102442,
c 741	11	55.0	577	6	US-09-925-065A-171522	Sequence 171522, A	c 814	11	55.0	593	6	US-09-925-065A-650615	Sequence 650615,
c 742	11	55.0	577	6	US-09-925-065A-628838	Sequence 628838,	c 815	11	55.0	593	6	US-09-925-065A-506166	Sequence 506166,
c 743	11	55.0	578	6	US-09-925-065A-628194	Sequence 628194,	816	11	55.0	594	6	US-09-925-065A-95487	Sequence 95487, A
c 744	11	55.0	579	6	US-09-925-065A-25420	Sequence 25420, A	817	11	55.0	594	6	US-09-925-065A-233929	Sequence 233929,
c 745	11	55.0	579	6	US-09-925-065A-398960	Sequence 398960,	818	11	55.0	594	6	US-09-925-065A-233930	Sequence 233930,
c 746	11	55.0	579	6	US-09-925-065A-398961	Sequence 398961,	819	11	55.0	594	6	US-09-925-065A-418896	Sequence 418896,
c 747	11	55.0	579	6	US-09-925-065A-398962	Sequence 398962,	820	11	55.0	594	6	US-09-925-065A-418897	Sequence 418897,
c 748	11	55.0	579	6	US-09-925-065A-398963	Sequence 398963,	821	11	55.0	594	6	US-09-925-065A-870193	Sequence 870193,
c 749	11	55.0	579	6	US-09-925-065A-827128	Sequence 827128,	822	11	55.0	595	6	US-09-925-065A-281266	Sequence 281266,
c 750	11	55.0	580	6	US-09-925-065A-109348	Sequence 109348,	c 823	11	55.0	595	6	US-09-925-065A-309171	Sequence 309171,

C 824	11	55.0	6	US-09-925-065A-309172,	Sequence 309172,	897	11	55.0	610	6	US-09-925-065A-171566,	Sequence 171566,
C 825	11	55.0	595	US-09-925-065A-443828,	Sequence 443828,	898	11	55.0	610	6	US-09-925-065A-382610	Sequence 382610,
C 826	11	55.0	595	US-09-925-065A-787248,	Sequence 787248,	C 899	11	55.0	610	6	US-09-925-065A-406000	Sequence 406000,
C 827	11	55.0	596	US-09-925-065A-110144,	Sequence 110144,	C 900	11	55.0	611	6	US-09-925-065A-151878	Sequence 151878,
C 828	11	55.0	596	US-09-925-065A-110145	Sequence 110145,	C 901	11	55.0	611	6	US-09-925-065A-289425	Sequence 289425,
C 829	11	55.0	596	US-09-925-065A-319421,	Sequence 319421,	C 902	11	55.0	611	6	US-09-925-065A-353090	Sequence 353090,
C 830	11	55.0	596	US-09-925-065A-344143,	Sequence 344143,	C 903	11	55.0	611	6	US-09-925-065A-353091,	Sequence 353091,
C 831	11	55.0	596	US-09-925-065A-457107,	Sequence 457107,	C 904	11	55.0	611	6	US-09-925-065A-353092,	Sequence 353092,
C 832	11	55.0	596	US-09-925-065A-488520,	Sequence 488520,	C 905	11	55.0	611	6	US-09-925-065A-353093,	Sequence 353093,
C 833	11	55.0	596	US-09-925-065A-488529,	Sequence 488529,	C 906	11	55.0	611	6	US-09-925-065A-581663,	Sequence 581663,
C 834	11	55.0	596	US-09-925-065A-588319,	Sequence 588319,	C 907	11	55.0	611	6	US-09-925-065A-581664,	Sequence 581664,
C 835	11	55.0	597	US-09-925-065A-588320,	Sequence 588320,	C 908	11	55.0	611	6	US-09-925-065A-785245,	Sequence 785245,
C 836	11	55.0	597	US-09-925-065A-604909,	Sequence 604909,	C 909	11	55.0	612	6	US-09-925-065A-833498,	Sequence 833498,
C 837	11	55.0	597	US-09-925-065A-883803,	Sequence 883803,	C 910	11	55.0	612	6	US-09-925-065A-20222,	Sequence 20222,
C 838	11	55.0	597	US-09-925-065A-883805,	Sequence 883805,	C 911	11	55.0	612	6	US-09-925-065A-360754,	Sequence 360754,
C 839	11	55.0	598	US-09-925-065A-95620,	Sequence 95620,	C 912	11	55.0	612	6	US-09-925-065A-767226,	Sequence 767226,
C 840	11	55.0	598	US-09-925-065A-147327,	Sequence 147327,	C 913	11	55.0	612	6	US-09-925-065A-865047,	Sequence 865047,
C 841	11	55.0	598	US-09-925-065A-280324,	Sequence 280324,	C 914	11	55.0	613	6	US-09-925-065A-865048,	Sequence 865048,
C 842	11	55.0	598	US-09-925-065A-280325,	Sequence 280325,	C 915	11	55.0	613	6	US-09-925-065A-865048,	Sequence 865048,
C 843	11	55.0	598	US-09-925-065A-280326,	Sequence 280326,	C 916	11	55.0	614	6	US-09-925-065A-626414,	Sequence 626414,
C 844	11	55.0	598	US-09-925-065A-366841,	Sequence 366841,	C 917	11	55.0	614	6	US-09-925-065A-875171,	Sequence 875171,
C 845	11	55.0	598	US-09-925-065A-366842,	Sequence 366842,	C 918	11	55.0	614	6	US-09-925-065A-904745,	Sequence 904745,
C 846	11	55.0	598	US-09-925-065A-773265,	Sequence 773265,	C 919	11	55.0	615	6	US-09-925-065A-248394,	Sequence 248394,
C 847	11	55.0	598	US-09-925-065A-921167,	Sequence 921167,	C 920	11	55.0	616	6	US-09-925-065A-358291,	Sequence 358291,
C 848	11	55.0	599	US-09-925-065A-878339,	Sequence 878339,	C 921	11	55.0	616	6	US-09-925-065A-358292,	Sequence 358292,
C 849	11	55.0	599	US-09-925-065A-878400,	Sequence 878400,	C 922	11	55.0	616	6	US-09-925-065A-358292,	Sequence 358292,
C 850	11	55.0	599	US-09-925-065A-496900,	Sequence 496900,	C 923	11	55.0	616	6	US-09-925-065A-784272,	Sequence 784272,



RESULT 3  
US-11-198-746-126/c  
; Sequence 126, Application US/11198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,746  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 126:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-746-126  
Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGCGACCCCACTACTC 20  
DB 218 TTGCGACCCCACTACTC 199  
RESULT 4  
US-11-198-746-127  
; Sequence 127, Application US/11198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO

STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,746  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 127:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-746-127  
Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TTGCGACCCCACTACTC 20  
DB 64 TTGCGACCCCACTACTC 83  
RESULT 5  
US-11-198-746-128  
; Sequence 128, Application US/11198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,746  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:

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; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-128

Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 6
US-11-198-746-129
; Sequence 129, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-129

Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 7
US-11-198-746-132
; Sequence 132, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-132

Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 8
US-11-198-794-121/c
; Sequence 121, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
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Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 7
US-11-198-746-132
; Sequence 132, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-132

Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 8
US-11-198-794-121/c
; Sequence 121, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
```

NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-794-121

Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
|||||  
DB 218 TTTCGGACCCCACTACTC 199

RESULT 9  
US-11-198-794-123/c  
Sequence 123, Application US/11/198794  
Publication No. US20060035257A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
APPLICANT: OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 123:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-794-123

Query Match 100.0%; Score 20; DB 9; Length 281;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCACTACTC 20  
|||||  
DB 218 TTTCGGACCCCACTACTC 199

RESULT 10  
US-11-198-794-126/c  
Sequence 126, Application US/11/198794  
Publication No. US20060035257A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
APPLICANT: OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 126:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear

```
; MOLECULE TYPE: DNA (genomic)
US-11-198-794-126

Query Match      100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 218 TTTCGGACCCCAACTACTC 199

RESULT 11
US-11-198-794-127
; Sequence 127, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,794
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: linear
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-794-127

Query Match      100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 12
US-11-198-794-128
; Sequence 128, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
```

```
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,794
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-794-128

Query Match      100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 13
US-11-198-794-129
; Sequence 129, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
```



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; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,794
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 129:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-794-129

Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 14
US-11-198-794-132
; Sequence 132, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,794
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 132:

```

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-794-132

Query Match 100.0%; Score 20; DB 9; Length 281;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 64 TTTCGGACCCCAACTACTC 83

RESULT 15
US-11-198-746-124/c
; Sequence 124, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 124:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-124

Query Match 100.0%; Score 20; DB 9; Length 282;
Best Local Similarity 100.0%; Pred. No. 0.0074;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
Db 219 TTTCGGACCCCAACTACTC 200

```

## RESULT 16

US-11-198-746-130  
; Sequence 130, Application US/11198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,746  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 130:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 282 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-746-130

Query Match 100.0%; Score 20; DB 9; Length 282;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 64 TTTCGGACCCCAACTACTC 83

## RESULT 17

US-11-198-794-124/c  
; Sequence 124, Application US/11198794  
; Publication No. US20060035257A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA

; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,794  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 124:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 282 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-794-124

Query Match 100.0%; Score 20; DB 9; Length 282;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 219 TTTCGGACCCCAACTACTC 200

## RESULT 18

US-11-198-794-130  
; Sequence 130, Application US/11198794  
; Publication No. US20060035257A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,794  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837

; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 130:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 282 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-794-130

Query Match 100.0%; Score 20; DB 9; Length 282;  
Best Local Similarity 100.0%; Pred. No. 0.0074;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCACTACTC 20  
|||||  
Db 64 TTGCGGACCCCACTACTC 83

## RESULT 19

US-10-538-471-1/c  
; Sequence 1, Application US/10538471  
; Publication No. US20060035212A1  
; GENERAL INFORMATION:  
; APPLICANT: Balakireva, Larissa  
; TITLE OF INVENTION: MOLECULES INHIBITING HEPATITIS C VIRUS PROTEIN SYNTHESIS AND METH  
; FILE REFERENCE: 1759-200  
; CURRENT APPLICATION NUMBER: US/10/538,471  
; CURRENT FILING DATE: 2005-06-03  
; PRIOR APPLICATION NUMBER: PCT/FR03/03675  
; PRIOR FILING DATE: 2003-12-11  
; PRIOR APPLICATION NUMBER: FR0215718  
; PRIOR FILING DATE: 2002-12-12  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: Patent in version 3.1  
; SEQ ID NO 1  
; LENGTH: 326  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: HCV  
; LOCATION: 40..372  
; OTHER INFORMATION: corresponds to IRES sequence of HCV  
US-10-538-471-1

Query Match 100.0%; Score 20; DB 7; Length 326;  
Best Local Similarity 100.0%; Pred. No. 0.0073;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCACTACTC 20  
|||||  
Db 236 TTGCGGACCCCACTACTC 217

## RESULT 20

US-11-166-234-3/c  
; Sequence 3, Application US/11166234  
; Publication No. US20060029582A1  
; GENERAL INFORMATION:  
; APPLICANT: Yu, De-Chao  
; APPLICANT: Chen, Yu  
; APPLICANT: Henderson, Daniel R.  
; TITLE OF INVENTION: METHODS OF TREATING NEOPLASIA  
; TITLE OF INVENTION: WITH COMBINATION TARGET CELL-SPECIFIC ADENOVIRUS,  
; TITLE OF INVENTION: CHEMOTHERAPY AND RADIATION  
; FILE REFERENCE: 348022001600  
; CURRENT APPLICATION NUMBER: US/11/166,234  
; CURRENT FILING DATE: 2005-06-27  
; PRIOR APPLICATION NUMBER: US/09/814,357

; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 60/192,015  
; PRIOR FILING DATE: 2000-03-24  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 341  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' UTR region of HCV  
US-11-166-234-3

Query Match 100.0%; Score 20; DB 9; Length 341;  
Best Local Similarity 100.0%; Pred. No. 0.0073;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTGCGGACCCCACTACTC 20  
|||||  
Db 275 TTGCGGACCCCACTACTC 256

## RESULT 21

US-11-198-746-122/c  
; Sequence 122, Application US/11198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,746  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 122:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 386 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-746-122

Query Match 100.0%; Score 20; DB 9; Length 386;  
Best Local Similarity 100.0%; Pred. No. 0.0072;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 323 TTTCGGACCCCAACTACTC 304

## RESULT 22

US-11-198-794-122/c  
; Sequence 122, Application US/11198794  
; Publication No. US20060035257A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; TITLE OF INVENTION: PATHOGENS  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,794  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 122:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 386 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-794-122

Query Match 100.0%; Score 20; DB 9; Length 386;  
Best Local Similarity 100.0%; Pred. No. 0.0072;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 323 TTTCGGACCCCAACTACTC 304

## RESULT 23

US-11-173-792-7/c  
; Sequence 7, Application US/11173792  
; Publication No. US20060019245A1  
; GENERAL INFORMATION:  
; APPLICANT: Rice III, Charles  
; APPLICANT: Blight, Keril  
; TITLE OF INVENTION: HCV Variants  
; FILE REFERENCE: 6029-4356  
; CURRENT APPLICATION NUMBER: US/11/173,792  
; CURRENT FILING DATE: 2005-07-01  
; PRIOR APPLICATION NUMBER: US/09/576,989

; PRIOR FILING DATE: 2000-05-23  
; NUMBER OF SEQ ID NOS: 21  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 7  
; LENGTH: 7848  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-11-173-792-7

Query Match 100.0%; Score 20; DB 12; Length 7848;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 275 TTTCGGACCCCAACTACTC 256

## RESULT 24

US-10-509-921-9/c  
; Sequence 9, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/369,685  
; PRIOR FILING DATE: 2002-04-03  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 9  
; LENGTH: 7979  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from  
; OTHER INFORMATION: HCV J4(B/R1) Replicons  
US-10-509-921-9

Query Match 100.0%; Score 20; DB 8; Length 7979;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20  
|||||  
Db 275 TTTCGGACCCCAACTACTC 256

## RESULT 25

US-10-509-921-10/c  
; Sequence 10, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/369,685  
; PRIOR FILING DATE: 2002-04-03  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10  
; LENGTH: 7979  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from  
; OTHER INFORMATION: HCV J4(J4B/R1(C)) Replicons  
US-10-509-921-10

Query Match 100.0%; Score 20; DB 8; Length 7979;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 275 TTCGCGACCCCAACTACTC 256  
|||||

## RESULT 26

US-10-509-921-11/c  
; Sequence 11, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/369,685  
; PRIOR FILING DATE: 2002-04-03  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 11  
; LENGTH: 7979  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from  
; OTHER INFORMATION: HCV J4 Replicons  
US-10-509-921-11

Query Match 100.0%; Score 20; DB 8; Length 7979;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 275 TTCGCGACCCCAACTACTC 256  
|||||

## RESULT 27

US-10-509-921-12/c  
; Sequence 12, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/369,685  
; PRIOR FILING DATE: 2002-04-03  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12  
; LENGTH: 7979  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from  
; OTHER INFORMATION: HCV J4 Replicons  
US-10-509-921-12

Query Match 100.0%; Score 20; DB 8; Length 7979;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 275 TTCGCGACCCCAACTACTC 256  
|||||

## RESULT 28

US-10-509-921-4/c  
; Sequence 4, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/369,685  
; PRIOR FILING DATE: 2002-04-03  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 7980  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from  
; OTHER INFORMATION: HCV H77 (BB7-F3) Replicons  
US-10-509-921-4

Query Match 100.0%; Score 20; DB 8; Length 7980;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 275 TTCGCGACCCCAACTACTC 256  
|||||

## RESULT 29

US-10-509-921-5/c  
; Sequence 5, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/369,685  
; PRIOR FILING DATE: 2002-04-03  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 7980  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from  
; OTHER INFORMATION: HCV H77 (BB7-F3(C)) Replicons  
US-10-509-921-5

Query Match 100.0%; Score 20; DB 8; Length 7980;  
Best Local Similarity 100.0%; Pred. No. 0.0058;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20  
Db 275 TTCGCGACCCCAACTACTC 256  
|||||

## RESULT 30

US-10-509-921-7/c  
; Sequence 7, Application US/10509921  
; Publication No. US20050250093A1  
; GENERAL INFORMATION:  
; APPLICANT: SmithKline Beecham Corporation  
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons  
; FILE REFERENCE: P51335  
; CURRENT APPLICATION NUMBER: US/10/509,921

```
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 7983
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV 1a Replicons
US-10-509-921-7

Query Match          100.0%; Score 20; DB 8; Length 7983;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
   |||||
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 31
US-11-173-792-5/c
; Sequence 5, Application US/11173792
; Publication No. US20060019245A1
; GENERAL INFORMATION:
; APPLICANT: Rice III, Charles
; TITLE OF INVENTION: HCV Variants
; FILE REFERENCE: 6029-4356
; CURRENT APPLICATION NUMBER: US/11/173,792
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: US/09/576,989
; PRIOR FILING DATE: 2000-05-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 7987
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-11-173-792-5

Query Match          100.0%; Score 20; DB 12; Length 7987;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
   |||||
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 32
US-11-173-792-8/c
; Sequence 8, Application US/11173792
; Publication No. US20060019245A1
; GENERAL INFORMATION:
; APPLICANT: Rice III, Charles
; TITLE OF INVENTION: HCV Variants
; FILE REFERENCE: 6029-4356
; CURRENT APPLICATION NUMBER: US/11/173,792
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: US/09/576,989
; PRIOR FILING DATE: 2000-05-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 7987
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-11-173-792-8
```

```
Query Match          100.0%; Score 20; DB 12; Length 7987;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
   |||||
Db 275 TTCGCGACCCCAACTACTC 256

RESULT 33
US-11-173-792-13/c
; Sequence 13, Application US/11173792
; Publication No. US20060019245A1
; GENERAL INFORMATION:
; APPLICANT: Rice III, Charles
; APPLICANT: Blight, Keril
; TITLE OF INVENTION: HCV Variants
; FILE REFERENCE: 6029-4356
; CURRENT APPLICATION NUMBER: US/11/173,792
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: US/09/576,989
; PRIOR FILING DATE: 2000-05-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 7987
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-11-173-792-13

Query Match          100.0%; Score 20; DB 12; Length 7987;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
   |||||
Db 275 TTCGCGACCCCAACTACTC 256
```

```
RESULT 34
US-10-509-921-2/c
; Sequence 2, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: PSI335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV H77 (BB7-F1)Replicons
US-10-509-921-2

Query Match          100.0%; Score 20; DB 8; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACTACTC 20
   |||||
Db 275 TTCGCGACCCCAACTACTC 256
```

RESULT 35

```
US-10-509-921-6/c
; Sequence 6, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: P51335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV H77(H77NS5B)Replicons
US-10-509-921-6

Query Match      100.0%; Score 20; DB 8; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 275 TTCGCGACCCCACTACTC 256

RESULT 36
US-10-509-921-8/c
; Sequence 8, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: P51335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV J4(J4 M/S)Replicons
US-10-509-921-8

Query Match      100.0%; Score 20; DB 8; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 275 TTCGCGACCCCACTACTC 256

RESULT 37
US-10-509-921-13/c
; Sequence 13, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: P51335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
```

```
US-10-509-921-14/c
; Sequence 14, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: P51335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV H77(pBB7-SN)Replicons
US-10-509-921-14

Query Match      100.0%; Score 20; DB 8; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 275 TTCGCGACCCCACTACTC 256

RESULT 38
US-10-509-921-14/c
; Sequence 14, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: P51335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV H77(pBB7-SN)Replicons
US-10-509-921-14

Query Match      100.0%; Score 20; DB 8; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTCGCGACCCCACTACTC 20
Db 275 TTCGCGACCCCACTACTC 256

RESULT 39
US-11-119-330-1/c
; Sequence 1, Application US/11119330
; Publication No. US20050260568A1
; GENERAL INFORMATION:
; APPLICANT: Gao, Min
; APPLICANT: Lemm, Julie A.
; APPLICANT: O'Boyle, Donald R.
; APPLICANT: Nower, Peter
; TITLE OF INVENTION: HEPATITIS C VIRUS ASSAYS
; FILE REFERENCE: 10283 NP
; CURRENT APPLICATION NUMBER: US/11/119,330
; CURRENT FILING DATE: 2005-04-29
; PRIOR APPLICATION NUMBER: 60/567,270
; PRIOR FILING DATE: 2004-04-30
; PRIOR APPLICATION NUMBER: 60/568,590
; PRIOR FILING DATE: 2004-05-06
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent in version 3.3
```

```
; SEQ ID NO 1
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon
US-11-119-330-1

Query Match      100.0%; Score 20; DB 12; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 40
US-11-173-792-6/c
; Sequence 6, Application US/11173792
; Publication No. US20060019245A1
; GENERAL INFORMATION:
; APPLICANT: Rice III, Charles
; TITLE OF INVENTION: HCV Variants
; FILE REFERENCE: 6029-4356
; CURRENT APPLICATION NUMBER: US/11/173,792
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: US/09/576,989
; PRIOR FILING DATE: 2000-05-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-11-173-792-6

Query Match      100.0%; Score 20; DB 12; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 41
US-11-173-792-3/c
; Sequence 9, Application US/11173792
; Publication No. US20060019245A1
; GENERAL INFORMATION:
; APPLICANT: Rice III, Charles
; TITLE OF INVENTION: HCV Variants
; FILE REFERENCE: 6029-4356
; CURRENT APPLICATION NUMBER: US/11/173,792
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: US/09/576,989
; PRIOR FILING DATE: 2000-05-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-11-173-792-3

Query Match      100.0%; Score 20; DB 12; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 42
US-11-173-792-10/c
; Sequence 10, Application US/11173792
; Publication No. US20060019245A1
; GENERAL INFORMATION:
; APPLICANT: Rice III, Charles
; TITLE OF INVENTION: HCV Variants
; FILE REFERENCE: 6029-4356
; CURRENT APPLICATION NUMBER: US/11/173,792
; CURRENT FILING DATE: 2005-07-01
; PRIOR APPLICATION NUMBER: US/09/576,989
; PRIOR FILING DATE: 2000-05-23
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 7989
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-11-173-792-10

Query Match      100.0%; Score 20; DB 12; Length 7989;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 43
US-10-509-921-3/c
; Sequence 3, Application US/10509921
; Publication No. US20050250093A1
; GENERAL INFORMATION:
; APPLICANT: SmithKline Beecham Corporation
; TITLE OF INVENTION: Hepatitis C Virus Sub-Genomic Replicons
; FILE REFERENCE: P51335
; CURRENT APPLICATION NUMBER: US/10/509,921
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/369,685
; PRIOR FILING DATE: 2002-04-03
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Thepolynucleotide sequence encodes sequences from
; OTHER INFORMATION: HCV H77(BB7-F1/F2) Replicons
US-10-509-921-3

Query Match      100.0%; Score 20; DB 8; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGGACCCCAACTACTC 20
    |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 44
US-11-111-686-1/c
; Sequence 1, Application US/11111686
; Publication No. US2005026022A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
```



```
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REP
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/11/111,686
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US/10/005,469
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV replicon I377/NS3-3'UTR
US-11-111-686-1

Query Match          100.0%; Score 20; DB 12; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 45
US-11-111-686-2/c
; Sequence 2, Application US/11/111,686
; Publication No. US20050260221A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REP
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/11/111,686
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US/10/005,469
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVR2
US-11-111-686-2

Query Match          100.0%; Score 20; DB 12; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 46
US-11-111-686-4/c
; Sequence 4, Application US/11/111,686
; Publication No. US20050260221A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REP
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/11/111,686
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US/10/005,469
```

```
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVR9
US-11-111-686-4

Query Match          100.0%; Score 20; DB 12; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 47
US-11-111-686-5/c
; Sequence 5, Application US/11/111,686
; Publication No. US20050260221A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REP
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/11/111,686
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US/10/005,469
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon from cell line HCVR22
US-11-111-686-5

Query Match          100.0%; Score 20; DB 12; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCCCAACTACTC 20
   |||||
Db 275 TTTCGGACCCCAACTACTC 256

RESULT 48
US-11-111-686-6/c
; Sequence 6, Application US/11/111,686
; Publication No. US20050260221A1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REP
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/11/111,686
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US/10/005,469
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; 
```

```
; SEQ ID NO 6
; LENGTH: 7992
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon from cell line HCVr24
US-11-111-686-6

Query Match      100.0%; Score 20; DB 12; Length 7992;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGCGACCCCAACTACTC 20
Db 275 TTTCGCGACCCCAACTACTC 256

RESULT 49
US-11-111-686-3/c
; Sequence 3, Application US/11111686
; Publication No. US20050260221a1
; GENERAL INFORMATION:
; APPLICANT: ANADYS Pharmaceuticals, Inc.
; APPLICANT: Bichko, Vadim
; TITLE OF INVENTION: HEPATITIS C VIRUS CONSTRUCTS CHARACTERIZED BY HIGH EFFICIENCY REPLICATION
; FILE REFERENCE: 0342/IH395US1
; CURRENT APPLICATION NUMBER: US/11/111,686
; CURRENT FILING DATE: 2005-04-20
; PRIOR APPLICATION NUMBER: US/10/005,469
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: US 60/245,866
; PRIOR FILING DATE: 2000-11-07
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 3
; LENGTH: 7995
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: HCV Replicon RNA from cell line HCVr8
US-11-111-686-3

Query Match      100.0%; Score 20; DB 12; Length 7995;
Best Local Similarity 100.0%; Pred. No. 0.0058;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTTCGCGACCCCAACTACTC 20
Db 275 TTTCGCGACCCCAACTACTC 256

RESULT 50
US-10-985-205-1/c
; Sequence 1, Application US/10985205
; Publication No. US20050266400a1
; GENERAL INFORMATION:
; APPLICANT: Dumonceaux, Julie
; APPLICANT: Cormier, Emmanuel G.
; APPLICANT: Dragic, Tatjana
; TITLE OF INVENTION: NOVEL SEQUENCES ENCODING HEPATITIS C VIRUS GLYCOPROTEINS
; FILE REFERENCE: 71242-A/JFW/AJD
; CURRENT APPLICATION NUMBER: US/10/985,205
; CURRENT FILING DATE: 2004-11-09
; PRIOR APPLICATION NUMBER: US 60/519,536
; PRIOR FILING DATE: 2003-11-12
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9599
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-10-985-205-1
```

```
Query Match      100.0%; Score 20; DB 8; Length 9599;
Best Local Similarity 100.0%; Pred. No. 0.0057;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 TTTCGCGACCCCAACTACTC 20
Db 275 TTTCGCGACCCCAACTACTC 256
```

```
RESULT 51
US-09-925-065A-537858/c
; Sequence 537858, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 537858
; LENGTH: 151
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-537858
```

```
Query Match      80.0%; Score 16; DB 6; Length 151;
Best Local Similarity 100.0%; Pred. No. 1.9;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 4 GCGACCCCAACTACTC 19
Db 51 GCGACCCCAACTACTC 36
```

```
RESULT 52
US-09-925-065A-913908
; Sequence 913908, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 913908
; LENGTH: 641
```

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-913908

Query Match      70.0%; Score 14; DB 6; Length 641;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACTACTC 20
DB 397 ACCCAACTACTC 410

RESULT 53
US-09-925-065A-891128
; Sequence 891128, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 891128
; LENGTH: 646
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-891128

Query Match      70.0%; Score 14; DB 6; Length 646;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACTACTC 20
DB 398 ACCCAACTACTC 411

RESULT 54
US-09-925-065A-891130
; Sequence 891130, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 891130
; LENGTH: 646
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-914246
; Sequence 914246, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 914246
; LENGTH: 646
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-914246

Query Match      70.0%; Score 14; DB 6; Length 646;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACTACTC 20
DB 398 ACCCAACTACTC 411

RESULT 56
US-10-793-626-1731/c
; Sequence 1731, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: P03480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1731
; LENGTH: 927
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
```

; OTHER INFORMATION: Description of Artificial Sequence: synthetic  
; OTHER INFORMATION: nucleic acid sequence  
US-10-793-626-1731

Query Match 70.0%; Score 14; DB 8; Length 927;  
Best Local Similarity 100.0%; Pred. No. 27;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACA 14  
| | | | | | | | | | | | | | | |  
Db 28 TTCGCGACCCCAACA 15

RESULT 57  
US-10-750-185-25160  
; Sequence 25160, Application US/10750185  
; Publication No. US20050260603A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS  
; CURRENT APPLICATION NUMBER: US/10/750,185  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 25160  
; LENGTH: 1505  
; TYPE: DNA  
; ORGANISM: Bovine 19866881118393  
US-10-750-185-25160

Query Match 70.0%; Score 14; DB 8; Length 1505;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCCAACTACT 19  
| | | | | | | | | | | | | | | |  
Db 610 GACCCCAACTACT 623

RESULT 58  
US-10-750-623-25160  
; Sequence 25160, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 25160  
; LENGTH: 1505  
; TYPE: DNA  
; ORGANISM: Bovine 19866881118393  
US-10-750-623-25160

Query Match 70.0%; Score 14; DB 8; Length 1505;  
Best Local Similarity 100.0%; Pred. No. 26;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCCAACTACT 19  
| | | | | | | | | | | | | | | |  
Db 610 GACCCCAACTACT 623

RESULT 59  
US-10-750-185-56713/c  
; Sequence 56713, Application US/10750185  
; Publication No. US20050260603A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-2  
; CURRENT APPLICATION NUMBER: US/10/750,185  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 56713  
; LENGTH: 3652  
; TYPE: DNA  
; ORGANISM: Bovine 19866880979040  
US-10-750-185-56713

Query Match 70.0%; Score 14; DB 8; Length 3652;  
Best Local Similarity 100.0%; Pred. No. 24;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTCGCGACCCCAACA 14  
| | | | | | | | | | | | | | | |  
Db 1802 TTCGCGACCCCAACA 1789

RESULT 60  
US-10-750-623-56713/c  
; Sequence 56713, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-1  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 56713  
; LENGTH: 3652  
; TYPE: DNA  
; ORGANISM: Bovine 19866880979040  
US-10-750-623-56713

Query Match 70.0%; Score 14; DB 8; Length 3652;  
Best Local Similarity 100.0%; Pred. No. 24;

```
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCAACA 14
Db 1802 TTTCGGACCAACA 1789

RESULT 61
US-10-793-626-3976
; Sequence 3976, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; FILE REFERENCE: PU3480US
; CURRENT APPLICATION NUMBER: US/10/793,626
; CURRENT FILING DATE: 2004-03-04
; PRIOR APPLICATION NUMBER: 60/164,258
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3976
; LENGTH: 4069
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: nucleic acid sequence
US-10-793-626-3976

Query Match 70.0%; Score 14; DB 8; Length 4069;
Best Local Similarity 100.0%; Pred. No. 24;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TTTCGGACCAACA 14
Db 1584 TTTCGGACCAACA 1597

RESULT 62
US-10-310-914A-436642/c
; Sequence 436642, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 436642
; LENGTH: 20
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-436642

Query Match 65.0%; Score 13; DB 8; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACTC 20
Db 16 CCCAACACTACTC 4

RESULT 63
US-10-310-914A-106395
; Sequence 106395, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiller, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 106395
; LENGTH: 21
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-106395
```

```
Query Match 65.0%; Score 13; DB 8; Length 21;
Best Local Similarity 84.6%; Pred. No. 1.4e+02;
Matches 11; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 7 ACCCAACACTACT 19
Db 6 ACCCAACACTACT 18
```

```
RESULT 64
US-11-121-849-489188/c
; Sequence 489188, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Microarrays
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 489188
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-489188
```

```
Query Match 65.0%; Score 13; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 3 CGCGACCAACAC 15
Db 18 CGCGACCAACAC 6
```

```
RESULT 65
US-10-995-561-34333
; Sequence 34333, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 34333
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-34333
```

Query Match 65.0%; Score 13; DB 8; Length 201;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTAC 18  
| | | | | | | | | |  
Db 182 GACCCAACTAC 194

RESULT 66  
US-09-925-065A-192718  
; Sequence 192718, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 192718  
; LENGTH: 439  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-192718

Query Match 65.0%; Score 13; DB 6; Length 439;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTAC 18  
| | | | | | | | | |  
Db 240 GACCCAACTAC 252

RESULT 67  
US-09-925-065A-192719  
; Sequence 192719, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 192719  
; LENGTH: 439

TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-192719

Query Match 65.0%; Score 13; DB 6; Length 439;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTAC 18  
| | | | | | | | | |  
Db 240 GACCCAACTAC 252

RESULT 68  
US-09-925-065A-192720  
; Sequence 192720, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 192720  
; LENGTH: 443  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-192720

Query Match 65.0%; Score 13; DB 6; Length 443;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTAC 18  
| | | | | | | | | |  
Db 244 GACCCAACTAC 256

RESULT 69  
US-09-925-065A-156076  
; Sequence 156076, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 156076
; LENGTH: 444
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-156076

Query Match          65.0%; Score 13; DB 6; Length 444;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACTACTACT 19
    |||||
Db 283 ACCCAACTACTACT 295

RESULT 70
US-09-925-065A-156077
; Sequence 156077, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 156077
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-156077

Query Match          65.0%; Score 13; DB 6; Length 511;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACTACTACT 19
    |||||
Db 348 ACCCAACTACTACT 360

RESULT 71
US-09-925-065A-471258/c
; Sequence 471258, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 471259
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-471259/c
; Sequence 471259, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 471259
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-471259

Query Match          65.0%; Score 13; DB 6; Length 515;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTCT 20
    |||||
Db 154 CCCAACACTACTCT 142

RESULT 72
US-09-925-065A-471259/c
; Sequence 471259, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2000-11-30
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 471259
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-471259

Query Match          65.0%; Score 13; DB 6; Length 515;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTCT 20
    |||||
Db 154 CCCAACACTACTCT 142

RESULT 73
US-09-925-065A-639991/c
; Sequence 639991, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 639991
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-639991/c
; Sequence 639991, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR FILING DATE: 2000-11-20
; PRIOR FILING DATE: 2001-01-16
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 639991
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-639991
```

```
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 639991
; LENGTH: 516
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-639991

Query Match      65.0%; Score 13; DB 6; Length 516;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACTACT 19
   |||||
Db 76 ACCCAACTACT 64

RESULT 74
US-09-925-065A-613841/c
; Sequence 613841, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 613841
; LENGTH: 526
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-613841

Query Match      65.0%; Score 13; DB 6; Length 526;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCAACTACT 18
   |||||
Db 367 GACCAACTACT 355

RESULT 75
US-09-925-065A-277711
; Sequence 277711, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
```

```
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 277711
; LENGTH: 544
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-277711

Query Match      65.0%; Score 13; DB 6; Length 544;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCAACTACT 18
   |||||
Db 408 GACCAACTACT 420

RESULT 76
US-09-925-065A-844056/c
; Sequence 844056, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 844056
; LENGTH: 553
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-844056

Query Match      65.0%; Score 13; DB 6; Length 553;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACTACT 19
   |||||
Db 75 ACCCAACTACT 63

RESULT 77
US-09-925-065A-844057/c
; Sequence 844057, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2000-10-24
```



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; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 844057
; LENGTH: 553
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-844057

Query Match          65.0%; Score 13; DB 6; Length 553;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 ACCCAACTACT 19
Db      75 ACCCAACTACT 63

RESULT 78
US-09-925-065A-666339
; Sequence 666339, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 666339
; LENGTH: 559
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-666339

Query Match          65.0%; Score 13; DB 6; Length 559;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 CCCCACTACTC 20
Db      500 CCCCACTACTC 512

RESULT 79
US-09-925-065A-690825/c
; Sequence 690825, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
```

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; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 690825
; LENGTH: 585
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-690825

Query Match          65.0%; Score 13; DB 6; Length 585;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 ACCCAACTACT 19
Db      151 ACCCAACTACT 139

RESULT 80
US-09-925-065A-515750/c
; Sequence 515750, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 515750
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-515750

Query Match          65.0%; Score 13; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 GACCAACTACT 18
Db      238 GACCAACTACT 226

RESULT 81
US-09-925-065A-515751/c
; Sequence 515751, Application US/09925065A
; Publication No. US20040181048A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243, 096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 515751
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-515751

```

```

Query Match      65.0%; Score 13; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6  GACCCAACTACTAC 18
          |||||
Db      238 GACCCAACTACTAC 226

```

```

RESULT 82
US-09-925-065A-557660
; Sequence 557660, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925, 065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243, 096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 557660
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-557660

```

Query Match	65.0%;	Score 13;	DB 6;	Length 587;
Best Local Similarity	100.0%;	Pred. No. 1.1e+02;		
Matches 13;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	6	GACCCCAACTAC	18	
Db	394	GACCCCAACTAC	406	

RESULT 83

```

US-09-925-065A-557661
; Sequence 557661, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 557661
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-557661

```

```

Query Match      65.0%; Score 13; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6  GACCCCAACTAC 18
         |||||
Db      394 GACCCCAACTAC 406

```

```

RESULT 84
US-09-925-065A-256872
; Sequence 256872, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 256872
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-256872

```

Query Match	55.0%;	Score 13;	DB 6;	Length 600;
Best Local Similarity	100.0%;	Pred. No. 1.1e+02;		
Matches 13;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	8	CCCAACACTACTC	20	
Db	441	CCCAACACTACTC	453	

RESULT 85  
US-09-925-065A-128517/c  
; Sequence 128517, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 128517  
; LENGTH: 602  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-128517

Query Match 65.0%; Score 13; DB 6; Length 602;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 8 CCCAACACTACTC 20  
Db 55 CCCAACACTACTC 43

RESULT 86  
US-09-925-065A-128518/c  
; Sequence 128518, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 128518  
; LENGTH: 602  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-128518

Query Match 65.0%; Score 13; DB 6; Length 602;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 8 CCCAACACTACTC 20  
Db 55 CCCAACACTACTC 43

RESULT 87  
US-09-925-065A-575680  
; Sequence 575680, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 575680  
; LENGTH: 605  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-575680

Query Match 65.0%; Score 13; DB 6; Length 605;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 ACCCAACACTACT 19  
Db 509 ACCCAACACTACT 521

RESULT 88  
US-09-925-065A-575121  
; Sequence 575121, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 575121  
; LENGTH: 624  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-575121

Query Match 65.0%; Score 13; DB 6; Length 624;

Best Local Similarity 100.0%; Pred. No. 1.1e+02; DB 6; Length 633;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTC 20  
| | | | | | | | | |  
Db 164 CCCAACACTACTC 176

## RESULT 89

US-09-925-065A-762369  
; Sequence 762369, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US 60/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 762369  
; LENGTH: 633  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-762369

Query Match 65.0%; Score 13; DB 6; Length 633;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTC 20  
| | | | | | | | | |  
Db 395 CCCAACACTACTC 407

## RESULT 90

US-09-925-065A-672082  
; Sequence 672082, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 672082  
; LENGTH: 643  
; TYPE: DNA  
; ORGANISM: Homo sapiens

## US-09-925-065A-672082

Query Match 65.0%; Score 13; DB 6; Length 643;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTC 20  
| | | | | | | | | |  
Db 16 CCCAACACTACTC 28

## RESULT 91

US-09-925-065A-672083  
; Sequence 672083, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 672083  
; LENGTH: 643  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-672083

Query Match 65.0%; Score 13; DB 6; Length 643;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTC 20  
| | | | | | | | | |  
Db 16 CCCAACACTACTC 28

## RESULT 92

US-09-925-065A-871292  
; Sequence 871292, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 871292

; LENGTH: 669  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-871292

Query Match 65.0%; Score 13; DB 6; Length 669;  
Best Local Similarity 100.0%; Pred. No. 1.1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACTACT 19  
|||||  
DB 291 ACCCAACTACT 303

## RESULT 93

US-09-925-065A-38982/c  
; Sequence 38982, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 38982  
; LENGTH: 1287  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-38982

Query Match 65.0%; Score 13; DB 6; Length 1287;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACTACT 19  
|||||  
DB 1244 ACCCAACTACT 1232

## RESULT 94

US-10-185-185-27982  
; Sequence 27982, Application US/10750185  
; Publication No. US20050260603A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-2  
; CURRENT APPLICATION NUMBER: US/10/750,185  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27982

; LENGTH: 1619  
; TYPE: DNA  
; ORGANISM: Bovine 19866880799198  
US-10-750-185-27982

Query Match 65.0%; Score 13; DB 8; Length 1619;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACTC 20  
|||||  
DB 573 CCCAACACTACTC 585

## RESULT 95

US-10-750-623-27982  
; Sequence 27982, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-1  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 27982  
; LENGTH: 1619  
; TYPE: DNA  
; ORGANISM: Bovine 19866880799198  
US-10-750-623-27982

Query Match 65.0%; Score 13; DB 8; Length 1619;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACTC 20  
|||||  
DB 573 CCCAACACTACTC 585

## RESULT 96

US-10-947-249-56  
; Sequence 56, Application US/10947249  
; Publication No. US20050287541A1  
; GENERAL INFORMATION:  
; APPLICANT: Akira NAKAGAWARA  
; APPLICANT: MIKI OHIRA  
; APPLICANT: Shin ISHII  
; APPLICANT: Takeshi GOTO  
; APPLICANT: Hiroyuki KUBO  
; APPLICANT: Takahiro HIRATA  
; APPLICANT: Yasuko YOSHIDA  
; APPLICANT: Saichi YAMADA  
; TITLE OF INVENTION: Microarray for Predicting the Prognosis of Neuroblastoma  
; FILE REFERENCE: 117007  
; CURRENT APPLICATION NUMBER: US/10/947,249  
; CURRENT FILING DATE: 2004-09-23  
; PRIOR APPLICATION NUMBER: US 60/505,614  
; PRIOR APPLICATION NUMBER: 2003-09-25  
; NUMBER OF SEQ ID NOS: 200  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 56  
; LENGTH: 1715

; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-947-249-56

Query Match 65.0%; Score 13; DB 8; Length 1715;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 CGCGACCAACAC 15  
|||||  
Db 406 CGCGACCAACAC 418

RESULT 97  
US-11-122-144-13/c  
; Sequence 13, Application US/11122144  
; Publication No. US20050287663A1  
; GENERAL INFORMATION:  
; APPLICANT: Gillespie, Alison  
; Claeps, Brian O.  
; Chavez-Noriega, Laura Elena  
; Siegel, Robert  
; Elliott, Kathryn J.  
; TITLE OF INVENTION: DNA ENCODING HUMAN ( AND ( SUBUNITS  
; OF NEURONAL NICOTINIC ACETYLCHOLINE  
; RECEPTOR, CELLS TRANSFORMED THEREWITH,  
; AND RECOMBINANT CELL LINE EXPRESSING  
; NUMBER OF SEQUENCES: 18  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Merck & Co., Inc.  
; STREET: 126 E. Lincoln Avenue  
; CITY: Rahway  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 07065-0907  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/122,144  
; FILING DATE: 04-May-2005  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/703,951  
; FILING DATE: 01-Nov-2000  
; APPLICATION NUMBER: US 08/487,596  
; FILING DATE: 07-JUN-1995  
; APPLICATION NUMBER: WO US94/02447  
; FILING DATE: 08-MAR-1994  
; APPLICATION NUMBER: US 08/149,503  
; FILING DATE: 08-NOV-1993  
; APPLICATION NUMBER: US 08/028,031  
; FILING DATE: 08-MAR-1993  
; APPLICATION NUMBER: US 07/938,154  
; FILING DATE: 30-NOV-1992  
; APPLICATION NUMBER: US 07/504,455  
; FILING DATE: 03-APR-1990  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kohli, Vineet  
; REGISTRATION NUMBER: 37,003  
; REFERENCE/DOCKET NUMBER: SD99511A  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 732-594-3889  
; TELEFAX: 732-594-4720  
; INFORMATION FOR SEQ ID NO: 13:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2448 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: both  
; TOPOLOGY: both  
; MOLECULE TYPE: cDNA

; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 265..1773  
; OTHER INFORMATION: /product= "BETA-2 SUBUNIT"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 13:  
US-11-122-144-13

Query Match 65.0%; Score 13; DB 12; Length 2448;  
Best Local Similarity 100.0%; Pred. No. 1e+02;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACACTACT 19  
|||||  
Db 1835 ACCCAACACTACT 1823

RESULT 98  
US-11-129-861-42  
; Sequence 42, Application US/11129861  
; Publication No. US20060031956A1  
; GENERAL INFORMATION:  
; APPLICANT: Kurachi, Kotoku  
; APPLICANT: Kurachi, Sumiko  
; TITLE OF INVENTION: Nucleotide Sequences for Gene Regulation and Methods of  
; FILE OF INVENTION: Use Thereof  
; FILE REFERENCE: UM-03603  
; CURRENT APPLICATION NUMBER: US/11/129,861  
; CURRENT FILING DATE: 2005-05-16  
; PRIOR APPLICATION NUMBER: US/09/328,925  
; PRIOR FILING DATE: 1999-06-09  
; NUMBER OF SEQ ID NOS: 84  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 42  
; LENGTH: 12222  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-129-861-42

Query Match 65.0%; Score 13; DB 9; Length 12222;  
Best Local Similarity 100.0%; Pred. No. 88;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTACT 18  
|||||  
Db 10652 GACCCAACTACT 10664

RESULT 99  
US-10-995-561-13268  
; Sequence 13268, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13268  
; LENGTH: 25871  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(25871)  
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-  
US-10-995-561-13268

Query Match 65.0%; Score 13; DB 8; Length 25871;  
Best Local Similarity 100.0%; Pred. No. 83;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCAACTACTAC 18

|||||

Db 16983 GACCCAACTACTAC 16995

RESULT 100

US-11-124-367A-5004/c

; Sequence 5004, Application US/11124367A

; Publication No. US20060024700A1

; GENERAL INFORMATION:

; APPLICANT: Michele Cargill

; APPLICANT: Hongjin Huang

; TITLE OF INVENTION: Genetic Polymorphisms Associated with

; FILE REFERENCE: CL001519.ORD

; CURRENT APPLICATION NUMBER: US/11/124,367A

; CURRENT FILING DATE: 2005-05-09

; PRIOR APPLICATION NUMBER: US 60/568,846

; PRIOR FILING DATE: 2004-05-07

; PRIOR APPLICATION NUMBER: US 60/582,609

; PRIOR FILING DATE: 2004-06-25

; PRIOR APPLICATION NUMBER: US 60/599,554

; PRIOR FILING DATE: 2004-08-09

; NUMBER OF SEQ ID NOS: 34460

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 5004

; LENGTH: 100000

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-124-367A-5004

Query Match 65.0%; Score 13; DB 12; Length 100000;

Best Local Similarity 100.0%; Pred. No. 75;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACTC 20

|||||

Db 9628 CCCAACACTACTC 9616

RESULT 101

US-11-121-086-87

; Sequence 87, Application US/11121086

; Publication No. US20050266459A1

; GENERAL INFORMATION:

; APPLICANT: POULSEN, TIM S.

; APPLICANT: NIELSEN, KIRSTEN V.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

; FILE REFERENCE: 09138.6000-00000

; CURRENT APPLICATION NUMBER: US/11/121,086

; CURRENT FILING DATE: 2005-05-04

; PRIOR APPLICATION NUMBER: 60/567,570

; PRIOR FILING DATE: 2004-05-04

; NUMBER OF SEQ ID NOS: 107

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 87

; LENGTH: 156260

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-121-086-87

Query Match 65.0%; Score 13; DB 12; Length 156260;

Best Local Similarity 100.0%; Pred. No. 73;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACTC 20

|||||

Db 51346 CCCAACACTACTC 51358

RESULT 102

US-11-121-086-59

; Sequence 59, Application US/11121086

; Publication No. US20050266459A1

; GENERAL INFORMATION:

; APPLICANT: POULSEN, TIM S.

; APPLICANT: NIELSEN, KIRSTEN V.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

; FILE REFERENCE: 09138.6000-00000

; CURRENT APPLICATION NUMBER: US/11/121,086

; CURRENT FILING DATE: 2005-05-04

; PRIOR APPLICATION NUMBER: 60/567,570

; PRIOR FILING DATE: 2004-05-04

; NUMBER OF SEQ ID NOS: 107

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 59

; LENGTH: 162537

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-121-086-59

Query Match 65.0%; Score 13; DB 12; Length 162537;

Best Local Similarity 100.0%; Pred. No. 73;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACTACTACT 19

|||||

Db 103988 ACCCAACTACTACT 104000

RESULT 103

US-11-121-086-71/c

; Sequence 71, Application US/11121086

; Publication No. US20050266459A1

; GENERAL INFORMATION:

; APPLICANT: POULSEN, TIM S.

; APPLICANT: NIELSEN, KIRSTEN V.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

; FILE REFERENCE: 09138.6000-00000

; CURRENT APPLICATION NUMBER: US/11/121,086

; CURRENT FILING DATE: 2005-05-04

; PRIOR APPLICATION NUMBER: 60/567,570

; PRIOR FILING DATE: 2004-05-04

; NUMBER OF SEQ ID NOS: 107

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 71

; LENGTH: 164527

; TYPE: DNA

; ORGANISM: Homo sapiens

US-11-121-086-71

Query Match 65.0%; Score 13; DB 12; Length 164527;

Best Local Similarity 100.0%; Pred. No. 73;

Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACTC 20

|||||

Db 162586 CCCAACACTACTC 162574

RESULT 104

US-11-121-086-91/c

; Sequence 91, Application US/11121086

; Publication No. US20050266459A1

; GENERAL INFORMATION:

; APPLICANT: POULSEN, TIM S.

; APPLICANT: NIELSEN, KIRSTEN V.

; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

; FILE REFERENCE: 09138.6000-00000

; CURRENT APPLICATION NUMBER: US/11/121,086

; CURRENT FILING DATE: 2005-05-04

; PRIOR APPLICATION NUMBER: 60/567,570

; PRIOR FILING DATE: 2004-05-04

; NUMBER OF SEQ ID NOS: 107

; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 91  
; LENGTH: 179597  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-121-086-91

Query Match 65.0%; Score 13; DB 12; Length 179597;  
Best Local Similarity 100.0%; Pred. No. 72;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCAACACTAC 18  
| | | | | | | | | |  
Db 155076 GACCAACACTAC 155064

RESULT 105  
US-11-121-086-70/c  
; Sequence 70, Application US/11121086  
; Publication No. US20050266459A1  
; GENERAL INFORMATION:  
; APPLICANT: POULSEN, TIM S.  
; APPLICANT: NIELSEN, KIRSTEN V.  
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES  
; FILE REFERENCE: 09138.6000-00000  
; CURRENT APPLICATION NUMBER: US/11/121,086  
; CURRENT FILING DATE: 2005-05-04  
; PRIOR APPLICATION NUMBER: 60/567,570  
; PRIOR FILING DATE: 2004-05-04  
; NUMBER OF SEQ ID NOS: 107  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 70  
; LENGTH: 180574  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-121-086-70

Query Match 65.0%; Score 13; DB 12; Length 180574;  
Best Local Similarity 100.0%; Pred. No. 72;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACTC 20  
| | | | | | | | | |  
Db 126 CCCAACACTACTC 114

RESULT 106  
US-10-995-561-13286  
; Sequence 13286, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 13286  
; LENGTH: 1125000  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(1125000)  
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-  
US-10-995-561-13286

Query Match 65.0%; Score 13; DB 8; Length 1125000;  
Best Local Similarity 100.0%; Pred. No. 62;  
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACACTACT 19  
| | | | | | | | | |  
Db 499479 ACCCAACACTACT 499491

RESULT 107  
US-10-310-914A-1180662/c  
; Sequence 1180662, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1180662  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-1180662

Query Match 60.0%; Score 12; DB 8; Length 19;  
Best Local Similarity 100.0%; Pred. No. 5.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCAACACTA 17  
| | | | | | | | | |  
Db 14 GACCAACACTA 3

RESULT 108  
US-11-101-244-619103  
; Sequence 619103, Application US/11101244  
; Publication No. US20050246794A1  
; GENERAL INFORMATION:  
; APPLICANT: Dharmoon, Inc.  
; APPLICANT: Khvorova, Anastasia  
; APPLICANT: Reynolds, Angela  
; APPLICANT: Leake, Devin  
; APPLICANT: Marshall, William  
; APPLICANT: Scaringe, Stephen  
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
; FILE REFERENCE: 134990S  
; CURRENT APPLICATION NUMBER: US/11/101,244  
; CURRENT FILING DATE: 2005-04-07  
; PRIOR APPLICATION NUMBER: 60/502,050  
; PRIOR FILING DATE: 2003-09-10  
; PRIOR APPLICATION NUMBER: 60/426,137  
; PRIOR FILING DATE: 2002-11-14  
; NUMBER OF SEQ ID NOS: 1591911  
; SOFTWARE: Proprietary  
; SEQ ID NO 619103  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-11-101-244-619103

Query Match 60.0%; Score 12; DB 10; Length 19;  
Best Local Similarity 91.7%; Pred. No. 5.7e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCAACACTA 17  
| | | | | | | | | |  
Db 2 GACCAACACTA 13

RESULT 109  
US-11-083-784-619103



; Sequence 619103, Application US/11083784  
; Publication No. US20050245475A1  
; GENERAL INFORMATION:  
; APPLICANT: Dharmacon, Inc.  
; APPLICANT: Khvorova, Anastasia  
; APPLICANT: Reynolds, Angela  
; APPLICANT: Leake, Devin  
; APPLICANT: Marshall, William  
; APPLICANT: Scaringe, Stephen  
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA  
; FILE REFERENCE: 13499US  
; CURRENT APPLICATION NUMBER: US/11/083,784  
; PRIOR FILING DATE: 2005-03-18  
; PRIOR FILING DATE: 2003-11-14  
; PRIOR FILING DATE: 2003-11-14  
; PRIOR FILING DATE: 2003-09-10  
; PRIOR FILING DATE: 2002-11-14  
; NUMBER OF SEQ ID NOS: 1591911  
; SOFTWARE: Proprietary  
; SEQ ID NO 619103  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Homo sapiens  
US-11-083-784-619103

Query Match 60.0%; Score 12; DB 11; Length 19;  
Best Local Similarity 91.7%; Pred. No. 5.7e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCAACTACTC 17  
DB 2 GACCCAACTACTC 13

## RESULT 110

US-10-310-914A-436630/c  
; Sequence 436630, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuizat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 436630  
; LENGTH: 21  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-436630

Query Match 60.0%; Score 12; DB 8; Length 21;  
Best Local Similarity 100.0%; Pred. No. 5.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 CCAACACTACTC 20  
DB 21 CCAACACTACTC 10

## RESULT 111

US-10-310-914A-740168/c  
; Sequence 740168, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuizat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and

; TITLE OF INVENTION: uses thereof  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 740168  
; LENGTH: 25  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-740168

Query Match 60.0%; Score 12; DB 8; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCAACTACTC 17  
DB 16 GACCCAACTACTC 5

## RESULT 112

US-11-136-527-82371/c  
; Sequence 82371, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR FILING DATE: 2005-05-26  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 82371  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-82371

Query Match 60.0%; Score 12; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 9 CCAACACTACTC 20  
DB 16 CCAACACTACTC 5

## RESULT 113

US-11-136-527-82378/c  
; Sequence 82378, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR FILING DATE: 2005-05-26  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 82378  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:

; OTHER INFORMATION: Probe  
US-11-136-527-82378

Query Match 60.0%; Score 12; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||

Db 12 CCAACACTACTC 1

RESULT 114

US-11-136-527-82379/c  
; Sequence 82379, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 82379  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-82379

Query Match 60.0%; Score 12; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||

Db 14 CCAACACTACTC 3

RESULT 115

US-11-136-527-82380/c  
; Sequence 82380, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 82380  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-82380

Query Match 60.0%; Score 12; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||

Db 15 CCAACACTACTC 4

RESULT 116

US-11-136-527-82384/c  
; Sequence 82384, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 82384  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-82384

Query Match 60.0%; Score 12; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||

Db 13 CCAACACTACTC 2

RESULT 117

US-11-136-527-82387/c  
; Sequence 82387, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 82387  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-82387

Query Match 60.0%; Score 12; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 5.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||

Db 17 CCAACACTACTC 6

RESULT 118

US-11-136-527-87957/c  
; Sequence 87957, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth

```
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 87957
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-87957

Query Match          60.0%; Score 12; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20
Db 20 CCAACACTACTC 9

RESULT 119
US-11-136-527-87959/c
; Sequence 87959, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 87959
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-87959

Query Match          60.0%; Score 12; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20
Db 17 CCAACACTACTC 6

RESULT 120
US-11-136-527-87972/c
; Sequence 87972, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
```

```
; SEQ ID NO 87972
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-87972

Query Match          60.0%; Score 12; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20
Db 16 CCAACACTACTC 5

RESULT 121
US-11-136-527-282344/c
; Sequence 282344, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 282344
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Probe
US-11-136-527-282344

Query Match          60.0%; Score 12; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 5.6e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20
Db 17 CCAACACTACTC 6

RESULT 122
US-11-175-859-45794/c
; Sequence 45794, Application US/11175859
; Publication No. US20060024715A1
; GENERAL INFORMATION:
; APPLICANT: Affymetrix, Inc.
; APPLICANT: Liu, Guoying et al.
; TITLE OF INVENTION: Method of Analysis of Human Polymorphism
; FILE REFERENCE: 3690.1
; CURRENT APPLICATION NUMBER: US/11/175,859
; CURRENT FILING DATE: 2005-07-05
; PRIOR APPLICATION NUMBER: US 60/585,352
; PRIOR FILING DATE: 2004-07-02
; NUMBER OF SEQ ID NOS: 116251
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 45794
; LENGTH: 50
; TYPE: DNA
; ORGANISM: homo sapien
US-11-175-859-45794

Query Match          60.0%; Score 12; DB 12; Length 50;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 7 ACCCAACTACTAC 18
    |||||
Db 19 ACCCAACTACTAC 8

RESULT 123
US-11-175-859-47851/c
; Sequence 47851, Application US/11175859
; Publication No. US20060024715A1
; GENERAL INFORMATION:
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Method of Analysis of Human Polymorphism
; FILE REFERENCE: 3690.1
; CURRENT APPLICATION NUMBER: US/11/175,859
; CURRENT FILING DATE: 2005-07-05
; PRIOR APPLICATION NUMBER: US 60/585,352
; PRIOR FILING DATE: 2004-07-02
; NUMBER OF SEQ ID NOS: 116251
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 47851
; LENGTH: 50
; TYPE: DNA
; ORGANISM: homo sapien
US-11-175-859-47851

Query Match 60.0%; Score 12; DB 12; Length 50;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACTACTACTC 20
    |||||
Db 50 CCAACTACTACTC 39

RESULT 124
US-11-175-859-59571
; Sequence 59571, Application US/11175859
; Publication No. US20060024715A1
; GENERAL INFORMATION:
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Method of Analysis of Human Polymorphism
; FILE REFERENCE: 3690.1
; CURRENT APPLICATION NUMBER: US/11/175,859
; CURRENT FILING DATE: 2005-07-05
; PRIOR APPLICATION NUMBER: US 60/585,352
; PRIOR FILING DATE: 2004-07-02
; NUMBER OF SEQ ID NOS: 116251
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 59571
; LENGTH: 50
; TYPE: DNA
; ORGANISM: homo sapien
US-11-175-859-59571

Query Match 60.0%; Score 12; DB 12; Length 50;
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACTACTACTC 20
    |||||
Db 1 CCAACTACTACTC 12

RESULT 125
US-10-995-561-36601/c
; Sequence 36601, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
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```
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36601
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-36601

Query Match 60.0%; Score 12; DB 8; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACTACTACTC 20
    |||||
Db 176 CCAACTACTACTC 165

RESULT 126
US-10-995-561-36766/c
; Sequence 36766, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 36766
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-36766

Query Match 60.0%; Score 12; DB 8; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACTACTACTC 20
    |||||
Db 192 CCAACTACTACTC 181

RESULT 127
US-11-124-368A-14586
; Sequence 14586, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/625,936
; PRIOR FILING DATE: 2004-11-09
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14586
; LENGTH: 201
; TYPE: DNA
```

```
; ORGANISM: Homo sapiens
US-11-124-368A-14586

Query Match      60.0%; Score 12; DB 12; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 GACCCACACTA 17
DB      179 GACCCACACTA 190

RESULT 128
US-11-124-367A-11401/c
; Sequence 11401, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11401
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-11401

Query Match      60.0%; Score 12; DB 12; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      7 ACCCAACTAC 18
DB      30 ACCCAACTAC 19

RESULT 129
US-11-124-367A-25876
; Sequence 25876, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 25876
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-25876

; ORGANISM: Homo sapiens
US-11-124-368A-14586

Query Match      60.0%; Score 12; DB 12; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 CCCAACACTACT 19
DB      126 CCCAACACTACT 137

RESULT 130
US-11-124-367A-26118
; Sequence 26118, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 26118
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-26118

Query Match      60.0%; Score 12; DB 12; Length 201;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 CCCAACACTACT 19
DB      147 CCCAACACTACT 158

RESULT 131
US-09-925-065A-141536
; Sequence 141536, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 141536
; LENGTH: 388
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-141536
```

Query Match 60.0%; Score 12; DB 6; Length 388;  
Best Local Similarity 100.0%; Pred. No. 4.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
| | | | | | | | | |  
Db 3 CCAACACTACTC 14

## RESULT 132

US-09-925-065A-141535  
; Sequence 141535, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 141535  
; LENGTH: 416  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-141535

Query Match 60.0%; Score 12; DB 6; Length 416;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
| | | | | | | | | |  
Db 28 CCAACACTACTC 39

## RESULT 133

US-09-925-065A-210126  
; Sequence 210126, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 210126  
; LENGTH: 428  
; TYPE: DNA

; ORGANISM: Homo sapiens  
US-09-925-065A-210126

Query Match 60.0%; Score 12; DB 6; Length 428;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
| | | | | | | | | |  
Db 28 CCAACACTACTC 39

## RESULT 134

US-09-925-065A-166441  
; Sequence 166441, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 166441  
; LENGTH: 433  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-166441

Query Match 60.0%; Score 12; DB 6; Length 433;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTACTA 17  
| | | | | | | | | |  
Db 132 GACCCAACTACTA 143

## RESULT 135

US-09-925-065A-263814  
; Sequence 263814, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0

```
; SEQ ID NO 263814
; LENGTH: 446
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-263814

Query Match          60.0%; Score 12; DB 6; Length 446;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 ACCCAACACTAC 18
Db 224 ACCCAACACTAC 235

RESULT 136
US-09-925-065A-598613/c
; Sequence 598613, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 598613
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-598613

Query Match          60.0%; Score 12; DB 6; Length 447;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCAACTACTA 17
Db 355 GACCCAACTACTA 344

RESULT 137
US-09-925-065A-598614/c
; Sequence 598614, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
```

---

```
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 598614
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-598614

Query Match          60.0%; Score 12; DB 6; Length 447;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCAACTACTA 17
Db 355 GACCCAACTACTA 344

RESULT 138
US-09-925-065A-598615/c
; Sequence 598615, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 598615
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-598615

Query Match          60.0%; Score 12; DB 6; Length 447;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCAACTACTA 17
Db 355 GACCCAACTACTA 344

RESULT 139
US-09-925-065A-598616/c
; Sequence 598616, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
```

; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 598616  
; LENGTH: 447  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-598616

Query Match 60.0%; Score 12; DB 6; Length 447;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCACACTA 17  
Db 355 GACCCACACTA 344  
|||||

## RESULT 140

US-09-925-065A-108495  
; Sequence 108495, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 108495  
; LENGTH: 492  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-925-065A-108495

Query Match 60.0%; Score 12; DB 6; Length 492;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACT 19  
Db 123 CCCAACACTACT 134  
|||||

## RESULT 141

US-09-925-065A-264226  
; Sequence 264226, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:

; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR APPLICATION NUMBER: 2001-08-08  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147

; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 264226  
; LENGTH: 501  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-264226

Query Match 60.0%; Score 12; DB 6; Length 501;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCCAACACTACT 19  
Db 103 CCCAACACTACT 114  
|||||

## RESULT 142

US-09-925-065A-256352  
; Sequence 256352, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 256352  
; LENGTH: 510  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-925-065A-256352

Query Match 60.0%; Score 12; DB 6; Length 510;  
Best Local Similarity 100.0%; Pred. No. 4.5e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
Db 236 CCAACACTACTC 247  
|||||

## RESULT 143

US-09-925-065A-544434/C  
; Sequence 544434, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08



```
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 544434
; LENGTH: 512
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-544434
```

```
Query Match 60.0%; Score 12; DB 6; Length 512;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 8 CCCAACACTACT 19
Db 184 CCCAACACTACT 173
```

```
RESULT 144
US-09-925-065A-544435/c
; Sequence 544435, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 544435
; LENGTH: 512
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-544435
```

```
Query Match 60.0%; Score 12; DB 6; Length 512;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 8 CCCAACACTACT 19
Db 184 CCCAACACTACT 173
```

```
RESULT 145
US-09-925-065A-590600
; Sequence 590600, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
```

```
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 590600
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-590600
```

```
Query Match 60.0%; Score 12; DB 6; Length 514;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 6 GACCCAACTACT 17
Db 197 GACCCAACTACT 208
```

```
RESULT 146
US-09-925-065A-590601
; Sequence 590601, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 590601
; LENGTH: 514
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-590601
```

```
Query Match 60.0%; Score 12; DB 6; Length 514;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 6 GACCCAACTACT 17
Db 197 GACCCAACTACT 208
```

```
RESULT 147
US-09-925-065A-345552
; Sequence 345552, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 345552
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-345552
```

```
Query Match 60.0%; Score 12; DB 6; Length 515;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 GACCCAACTACT 17
Db 197 GACCCAACTACT 208
```

## RESULT 148

```
US-09-925-065A-546663/c
; Sequence 546663, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 546663
; LENGTH: 515
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-546663
```

```
Query Match 60.0%; Score 12; DB 6; Length 515;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 8 CCCAACTACT 19
Db 511 CCCAACTACT 500
```

## RESULT 149

```
US-09-925-065A-587882
```

```
; Sequence 587882, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 587882
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-587882
```

```
Query Match 60.0%; Score 12; DB 6; Length 527;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 GACCCAACTACT 17
Db 13 GACCCAACTACT 24
```

## RESULT 150

```
US-09-925-065A-587883
; Sequence 587883, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 587883
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-587883
```

```
Query Match 60.0%; Score 12; DB 6; Length 527;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 GACCCAACTACT 17
Db 13 GACCCAACTACT 24
```

RESULT 151  
US-09-925-065A-920517/c  
; Sequence 920517, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 920517  
; LENGTH: 530  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-920517

Query Match 60.0%; Score 12; DB 6; Length 530;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCACACTA 17  
DB 404 GACCCACACTA 393

RESULT 152  
US-09-925-065A-310095/c  
; Sequence 310095, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 310095  
; LENGTH: 532  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-310095

Query Match 60.0%; Score 12; DB 6; Length 532;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 8 CCCAACACTACT 19

DB 117 CCCAACACTACT 106  
RESULT 153  
US-09-925-065A-576272  
; Sequence 576272, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 576272  
; LENGTH: 533  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-576272

Query Match 60.0%; Score 12; DB 6; Length 533;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GACCCACACTA 17  
DB 19 GACCCACACTA 30

RESULT 154  
US-09-925-065A-576273  
; Sequence 576273, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 576273  
; LENGTH: 533  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-576273

Query Match 60.0%; Score 12; DB 6; Length 533;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTACTA 17  
|||||  
Db 19 GACCCAACTACTA 30

## RESULT 155

US-09-925-065A-576274  
; Sequence 576274, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 576274  
; LENGTH: 533  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-576274

Query Match 60.0%; Score 12; DB 6; Length 533;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTACTA 17  
|||||  
Db 19 GACCCAACTACTA 30

## RESULT 156

US-09-925-065A-344620  
; Sequence 344620, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 344620  
; LENGTH: 541  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-344620

Query Match 60.0%; Score 12; DB 6; Length 541;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||  
Db 382 CCAACACTACTC 393

## RESULT 157

US-09-925-065A-109961  
; Sequence 109961, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 109961  
; LENGTH: 545  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-109961

Query Match 60.0%; Score 12; DB 6; Length 545;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCCAACTACTA 17  
|||||  
Db 410 GACCCAACTACTA 421

## RESULT 158

US-09-925-065A-109962  
; Sequence 109962, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 109962  
; LENGTH: 545

```
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-109962

Query Match      60.0%; Score 12; DB 6; Length 545;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 GACCCCAACTA 17
Db      410 GACCCCAACTA 421

RESULT 159
US-09-925-065A-109963
; Sequence 109963, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 109963
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-109963

Query Match      60.0%; Score 12; DB 6; Length 545;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 GACCCCAACTA 17
Db      410 GACCCCAACTA 421

RESULT 160
US-09-925-065A-327700
; Sequence 327700, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 327700
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-327700

Query Match      60.0%; Score 12; DB 6; Length 548;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 CCCAACACTACT 19
Db      474 CCCAACACTACT 485

RESULT 161
US-09-925-065A-23198
; Sequence 23198, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23198
; LENGTH: 550
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-23198

Query Match      60.0%; Score 12; DB 6; Length 550;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      8 CCCAACACTACT 19
Db      498 CCCAACACTACT 509

RESULT 162
US-09-925-065A-238720/c
; Sequence 238720, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
```

; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 238720  
; LENGTH: 555  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-238720

Query Match 60.0%; Score 12; DB 6; Length 555;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||  
Db 550 CCAACACTACTC 539

## RESULT 163

US-09-925-065A-427406  
; Sequence 427406, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 427406  
; LENGTH: 555  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-427406

Query Match 60.0%; Score 12; DB 6; Length 555;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||  
Db 43 CCAACACTACTC 54

## RESULT 164

US-09-925-065A-427407  
; Sequence 427407, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092

; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 427407  
; LENGTH: 555  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-427407

Query Match 60.0%; Score 12; DB 6; Length 555;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||  
Db 43 CCAACACTACTC 54

## RESULT 165

US-09-925-065A-427408  
; Sequence 427408, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 427408  
; LENGTH: 555  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-427408

Query Match 60.0%; Score 12; DB 6; Length 555;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
|||||  
Db 43 CCAACACTACTC 54

## RESULT 166

US-09-925-065A-270440/C  
; Sequence 270440, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092

```
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270440
; LENGTH: 556
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-270440
```

```
Query Match 60.0%; Score 12; DB 6; Length 556;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 7 ACCCAACTACT 18
Db 387 ACCCAACTACT 376
```

## RESULT 167

```
US-09-925-065A-83260/c
; Sequence 83260, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 83260
; LENGTH: 560
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-83260
```

```
Query Match 60.0%; Score 12; DB 6; Length 560;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 8 CCCAACTACT 19
Db 37 CCCAACTACT 26
```

## RESULT 168

```
US-09-925-065A-264126/c
; Sequence 264126, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
```

```
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 264126
; LENGTH: 566
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-264126
```

```
Query Match 60.0%; Score 12; DB 6; Length 566;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 4 GCGACCCCAACAC 15
Db 338 GCGACCCCAACAC 327
```

## RESULT 169

```
US-09-925-065A-264127/c
; Sequence 264127, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 264127
; LENGTH: 566
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-264127
```

```
Query Match 60.0%; Score 12; DB 6; Length 566;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 4 GCGACCCCAACAC 15
Db 338 GCGACCCCAACAC 327
```

## RESULT 170

```
US-09-925-065A-210066
; Sequence 210066, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
```

```
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 210066
; LENGTH: 567
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-210066
```

```
Query Match 60.0%; Score 12; DB 6; Length 567;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 GACCCCAACACTA 17
|||||
Db 544 GACCCCAACACTA 555
```

## RESULT 171

```
US-09-925-065A-210067
; Sequence 210067, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
```

```
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 210067
; LENGTH: 567
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-210067
```

```
Query Match 60.0%; Score 12; DB 6; Length 567;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 6 GACCCCAACACTA 17
|||||
Db 544 GACCCCAACACTA 555
```

## RESULT 172

```
US-09-925-065A-658264
; Sequence 658264, Application US/09925065A
; Publication No. US20040181048A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 658264
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-658264
```

```
Query Match 60.0%; Score 12; DB 6; Length 568;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 4 GCGACCCCAACAC 15
|||||
Db 309 GCGACCCCAACAC 320
```

## RESULT 173

```
US-09-925-065A-658265
; Sequence 658265, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 658265
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-658265
```

```
Query Match 60.0%; Score 12; DB 6; Length 568;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 4 GCGACCCCAACAC 15
|||||
Db 309 GCGACCCCAACAC 320
```

## RESULT 174



US-09-925-065A-88291  
; Sequence 88291, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 88291  
; LENGTH: 569  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-88291

Query Match 60.0%; Score 12; DB 6; Length 569;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
Db 520 CCAACACTACTC 531

RESULT 175  
US-09-925-065A-88292  
; Sequence 88292, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 88292  
; LENGTH: 569  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-88292

Query Match 60.0%; Score 12; DB 6; Length 569;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
Db 520 CCAACACTACTC 531

RESULT 176  
US-09-925-065A-88293  
; Sequence 88293, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 88293  
; LENGTH: 569  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-88293

Query Match 60.0%; Score 12; DB 6; Length 569;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACACTACTC 20  
Db 520 CCAACACTACTC 531

RESULT 177  
US-09-925-065A-378051  
; Sequence 378051, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 378051  
; LENGTH: 571  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-378051

Query Match 60.0%; Score 12; DB 6; Length 571;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 ACCCAACTACTAC 18  
| | | | | | | | | |  
Db 316 ACCCAACTACTAC 327

## RESULT 178

US-09-925-065A-352028  
; Sequence 352028, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 352028  
; LENGTH: 573  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-352028

Query Match 60.0%; Score 12; DB 6; Length 573;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GACCAACTACTA 17  
| | | | | | | | | |  
Db 373 GACCAACTACTA 384

## RESULT 179

US-09-925-065A-497495  
; Sequence 497495, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 497495  
; LENGTH: 574  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-497495

Query Match 60.0%; Score 12; DB 6; Length 574;

Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 9 CCAACTACTCTC 20  
| | | | | | | | | |  
Db 292 CCAACTACTCTC 303

## RESULT 180

US-09-925-065A-304603/C  
; Sequence 304603, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 304603  
; LENGTH: 576  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-304603

Query Match 60.0%; Score 12; DB 6; Length 576;  
Best Local Similarity 100.0%; Pred. No. 4.4e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 8 CCAACTACTACT 19  
| | | | | | | | | |  
Db 254 CCAACTACTACT 243

## RESULT 181

US-09-925-065A-411710  
; Sequence 411710, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 411710  
; LENGTH: 576  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-411710

```
US-09-925-065A-411710
Query Match          60.0%; Score 12; DB 6; Length 576;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCCAACACTA 17
Db      158 GACCCCAACACTA 169

RESULT 182
US-09-925-065A-411711
; Sequence 335456, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 411711
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-411711

Query Match          60.0%; Score 12; DB 6; Length 576;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCCAACACTA 17
Db      158 GACCCCAACACTA 169

RESULT 183
US-09-925-065A-335456
; Sequence 335456, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 335456

US-09-925-065A-411710
Query Match          60.0%; Score 12; DB 6; Length 576;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCCAACACTA 17
Db      158 GACCCCAACACTA 169

RESULT 182
US-09-925-065A-411711
; Sequence 335456, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 411711
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-411711

Query Match          60.0%; Score 12; DB 6; Length 576;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCCAACACTA 17
Db      158 GACCCCAACACTA 169

RESULT 183
US-09-925-065A-335456
; Sequence 335456, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 335456
```

```
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347655
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-347655

Query Match          60.0%; Score 12; DB 6; Length 579;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 CCAACACTACTC 20
Db      254 CCAACACTACTC 265

RESULT 186
US-09-925-065A-783050/c
; Sequence 783050, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 783050
; LENGTH: 580
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-783050

Query Match          60.0%; Score 12; DB 6; Length 580;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 CCCAACACTACT 19
Db      501 CCCAACACTACT 490

RESULT 187
US-09-925-065A-746688
; Sequence 746688, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766

; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 746688
; LENGTH: 581
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-746688

Query Match          60.0%; Score 12; DB 6; Length 581;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCAACTACTA 17
Db      342 GACCCAACTACTA 353

RESULT 188
US-09-925-065A-400184
; Sequence 400184, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 400184
; LENGTH: 583
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-400184

Query Match          60.0%; Score 12; DB 6; Length 583;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCAACTACTA 17
Db      383 GACCCAACTACTA 394

RESULT 189
US-09-925-065A-400185
; Sequence 400185, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
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; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 352029
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-352029

Query Match      60.0%; Score 12; DB 6; Length 584;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCCAACTA 17
Db      229 GACCCCAACTA 240

RESULT 192
US-09-925-065A-352030
; Sequence 352030, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 352030
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-352030

Query Match      60.0%; Score 12; DB 6; Length 584;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCCAACTA 17
Db      229 GACCCCAACTA 240

RESULT 193
US-09-925-065A-352031
; Sequence 352031, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135

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; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 352031
; LENGTH: 584
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-352031

Query Match      60.0%; Score 12; DB 6; Length 584;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCAACACTA 17
      |||||
Db      229 GACCAACACTA 240

RESULT 194
US-09-925-065A-753/c
; Sequence 753, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 753
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-753

Query Match      60.0%; Score 12; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 CCCAACACTACT 19
      |||||
Db      439 CCCAACACTACT 428

RESULT 195
US-09-925-065A-754/c
; Sequence 754, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
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; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 754
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-754

Query Match      60.0%; Score 12; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 CCCAACACTACT 19
      |||||
Db      439 CCCAACACTACT 428

RESULT 196
US-09-925-065A-755/c
; Sequence 755, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 755
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-755

Query Match      60.0%; Score 12; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      8 CCCAACACTACT 19
      |||||
Db      439 CCCAACACTACT 428

RESULT 197
US-09-925-065A-556920/c
; Sequence 556920, Application US/09925065A
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; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 556920
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-556920

Query Match      60.0%; Score 12; DB 6; Length 587;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      6 GACCCACACTACTA 17
Db      405 GACCCACACTACTA 394

RESULT 198
US-09-925-065A-280361/c
; Sequence 280361, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 280361
; LENGTH: 591
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-280361

Query Match      60.0%; Score 12; DB 6; Length 591;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      9 CCAACACTACTC 20
Db      580 CCAACACTACTC 569

RESULT 200
US-09-925-065A-806956
; Sequence 806956, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 806956
; LENGTH: 592
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-806956

Query Match      60.0%; Score 12; DB 6; Length 592;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      7 ACCCAACTACTAC 18
Db      580 CCAACACTACTC 569
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Db 18 ACCCAACTAC 29

Search completed: February 27, 2006, 08:35:52  
Job time : 648.526 secs



GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2006, 07:55:36 ; Search time 70.1053 Seconds  
(without alignments)  
456.401 Million cell updates/sec

Title: US-08-887-505B-38  
Perfect score: 18  
Sequence: 1 GGGGUCCUGAGNNNNN 18

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 1303057 seqs, 888780828 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database : Issued Patents NA:\*

- 1: /cgn2\_6/ptodata/1/ina/1 COMB.seq:\*
- 2: /cgn2\_6/ptodata/1/ina/5 COMB.seq:\*
- 3: /cgn2\_6/ptodata/1/ina/6A COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/H COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/PCTUS COMB.seq:\*
- 7: /cgn2\_6/ptodata/1/ina/PP COMB.seq:\*
- 8: /cgn2\_6/ptodata/1/ina/RE COMB.seq:\*
- 9: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15	83.3	29	3	US-10-053-883-10
2	15	83.3	29	3	US-10-053-883-11
3	13	72.2	59479	3	US-09-949-016-16910
4	12	66.7	12	3	US-09-647-344A-43
5	12	66.7	14	3	US-08-650-093C-97
6	12	66.7	16	3	US-08-954-210-39
7	12	66.7	16	3	US-09-431-419A-39
8	12	66.7	17	3	US-10-298-255-4
9	12	66.7	19	3	US-09-782-361-14
10	12	66.7	20	2	US-08-483-695-22
11	12	66.7	20	2	US-07-965-285-22
12	12	66.7	20	2	US-08-487-231-22
13	12	66.7	20	3	US-09-201-912-22
14	12	66.7	20	3	US-08-397-220B-38
15	12	66.7	20	3	US-08-397-220B-39
16	12	66.7	20	3	US-08-397-220B-40
17	12	66.7	20	3	US-08-397-220B-41
18	12	66.7	20	3	US-08-397-220B-44
19	12	66.7	20	3	US-08-650-093C-38
20	12	66.7	20	3	US-08-650-093C-39
21	12	66.7	20	3	US-08-650-093C-40
22	12	66.7	20	3	US-08-650-093C-41
23	12	66.7	20	3	US-08-650-093C-44
24	12	66.7	20	3	US-09-647-344A-49
C	12	66.7	20	3	Sequence 49, Appl

Sequence 7, Appli	21	66.7	12	3	US-10-259-275-7	Sequence 7, Appli
Sequence 38, Appl	22	66.7	12	3	US/09/647	Sequence 38, Appl
Sequence 9, Appli	22	66.7	12	3	US-09-906-768A-9	Sequence 9, Appli
Sequence 111, App	23	66.7	12	3	US-10-053-883-111	Sequence 111, App
Sequence 112, App	23	66.7	12	3	US-10-053-883-112	Sequence 112, App
Sequence 22, Appl	24	66.7	12	2	US-08-639-080-22	Sequence 22, Appl
Sequence 39, Appl	25	66.7	12	3	US/09/647	Sequence 39, Appl
Sequence 47, Appl	25	66.7	12	3	US-09-647-344A-47	Sequence 47, Appl
Sequence 98, Appl	26	66.7	12	3	US-08-397-220B-98	Sequence 98, Appl
Sequence 98, Appl	26	66.7	12	3	US-08-650-093C-98	Sequence 98, Appl
Sequence 12, Appl	27	66.7	12	3	US-10-053-883-12	Sequence 12, Appl
Sequence 13, Appl	27	66.7	12	3	US-10-053-883-13	Sequence 13, Appl
Sequence 7, Appli	30	66.7	12	2	US-08-240-547-7	Sequence 7, Appli
Sequence 192, App	30	66.7	12	3	US-09-535-338-192	Sequence 192, App
Sequence 66, Appl	32	66.7	12	3	US-08-530-492-66	Sequence 66, Appl
Sequence 66, Appl	39	66.7	12	3	US-08-906-517-66	Sequence 66, Appl
Sequence 48, Appl	46	66.7	12	3	US-09-647-344A-48	Sequence 48, Appl
Sequence 2597, Ap	47	66.7	12	3	US-09-422-978-2597	Sequence 2597, Ap
Sequence 10142, A	61	66.7	12	3	US-09-621-976-10142	Sequence 10142, A
Sequence 106, App	109	66.7	12	3	US-09-899-082B-106	Sequence 106, App
Sequence 107, App	109	66.7	12	3	US-09-899-082B-107	Sequence 107, App
Sequence 41, Appl	155	66.7	12	3	US-08-474-700B-41	Sequence 41, Appl
Sequence 61, Appl	177	66.7	12	2	US-08-256-568B-61	Sequence 61, Appl
Sequence 68, Appl	177	66.7	12	2	US-08-256-568B-67	Sequence 68, Appl
Sequence 69, Appl	177	66.7	12	2	US-08-256-568B-68	Sequence 69, Appl
Sequence 70, Appl	177	66.7	12	2	US-08-256-568B-69	Sequence 70, Appl
Sequence 73, Appl	177	66.7	12	2	US-08-256-568B-72	Sequence 73, Appl
Sequence 74, Appl	177	66.7	12	2	US-08-256-568B-74	Sequence 74, Appl
Sequence 75, Appl	177	66.7	12	2	US-08-256-568B-75	Sequence 75, Appl
Sequence 76, Appl	177	66.7	12	2	US-08-256-568B-76	Sequence 76, Appl
Sequence 77, Appl	177	66.7	12	2	US-08-256-568B-77	Sequence 77, Appl
Sequence 78, Appl	177	66.7	12	2	US-08-256-568B-78	Sequence 78, Appl
Sequence 79, Appl	177	66.7	12	2	US-08-256-568B-79	Sequence 79, Appl
Sequence 80, Appl	177	66.7	12	2	US-08-256-568B-80	Sequence 80, Appl
Sequence 61, Appl	177	66.7	12	3	US-09-038-369B-61	Sequence 61, Appl
Sequence 67, Appl	177	66.7	12	3	US-09-038-369B-67	Sequence 67, Appl
Sequence 68, Appl	177	66.7	12	3	US-09-038-369B-68	Sequence 68, Appl
Sequence 69, Appl	177	66.7	12	3	US-09-038-369B-69	Sequence 69, Appl
Sequence 70, Appl	177	66.7	12	3	US-09-038-369B-70	Sequence 70, Appl
Sequence 71, Appl	177	66.7	12	3	US-09-038-369B-71	Sequence 71, Appl
Sequence 72, Appl	177	66.7	12	3	US-09-038-369B-72	Sequence 72, Appl
Sequence 73, Appl	177	66.7	12	3	US-09-038-369B-73	Sequence 73, Appl
Sequence 74, Appl	177	66.7	12	3	US-09-038-369B-74	Sequence 74, Appl
Sequence 75, Appl	177	66.7	12	3	US-09-038-369B-75	Sequence 75, Appl
Sequence 76, Appl	177	66.7	12	3	US-09-038-369B-76	Sequence 76, Appl
Sequence 77, Appl	177	66.7	12	3	US-09-038-369B-77	Sequence 77, Appl
Sequence 78, Appl	177	66.7	12	3	US-09-038-369B-78	Sequence 78, Appl
Sequence 79, Appl	177	66.7	12	3	US-09-038-369B-79	Sequence 79, Appl
Sequence 80, Appl	177	66.7	12	3	US-09-038-369B-80	Sequence 80, Appl
Sequence 81, Appl	177	66.7	12	3	US-09-038-369B-81	Sequence 81, Appl
Sequence 82, Appl	177	66.7	12	3	US-09-038-369B-82	Sequence 82, Appl
Sequence 83, Appl	177	66.7	12	3	US-09-038-369B-83	Sequence 83, Appl
Sequence 84, Appl	177	66.7	12	3	US-09-038-369B-84	Sequence 84, Appl
Sequence 85, Appl	177	66.7	12	3	US-09-038-369B-85	Sequence 85, Appl
Sequence 86, Appl	177	66.7	12	3	US-09-038-369B-86	Sequence 86, Appl
Sequence 87, Appl	177	66.7	12	3	US-09-038-369B-87	Sequence 87, Appl
Sequence 88, Appl	177	66.7	12	3	US-09-038-369B-88	Sequence 88, Appl
Sequence 89, Appl	177	66.7	12	3	US-09-038-369B-89	Sequence 89, Appl
Sequence 90, Appl	177	66.7	12	3	US-09-038-369B-90	Sequence 90, Appl
Sequence 91, Appl	177	66.7	12	3	US-09-038-369B-91	Sequence 91, Appl
Sequence 92, Appl	177	66.7	12	3	US-09-038-369B-92	Sequence 92, Appl
Sequence 93, Appl	177	66.7	12	3	US-09-038-369B-93	Sequence 93, Appl
Sequence 94, Appl	177	66.7	12	3	US-09-038-369B-94	Sequence 94, Appl
Sequence 95, Appl	177	66.7	12	3	US-09-038-369B-95	Sequence 95, Appl
Sequence 96, Appl	177	66.7	12	3	US-09-038-369B-96	Sequence 96, Appl
Sequence 97, Appl	177	66.7	12	3	US-09-038-369B-97	Sequence 97, Appl
Sequence 98, Appl	177	66.7	12	3	US-09-038-369B-98	Sequence 98, Appl
Sequence 99, Appl	177	66.7	12	3	US-09-038-369B-99	Sequence 99, Appl
Sequence 100, Appl	177	66.7	12	3	US-09-038-369B-100	Sequence 100, Appl

c 98	12	66.7	177	3	US-09-899-044-76	Sequence 76, Appl	c 171	12	66.7	239	3	US-08-851-588-32	Sequence 32, Appl
c 99	12	66.7	177	3	US-09-899-044-77	Sequence 77, Appl	c 172	12	66.7	239	3	US-08-851-588-36	Sequence 36, Appl
c 100	12	66.7	177	3	US-09-899-044-78	Sequence 78, Appl	c 173	12	66.7	239	3	US-09-677-218B-32	Sequence 32, Appl
c 101	12	66.7	177	3	US-09-899-044-79	Sequence 79, Appl	c 174	12	66.7	239	3	US-09-677-218B-36	Sequence 36, Appl
c 102	12	66.7	177	3	US-09-899-044-80	Sequence 80, Appl	c 175	12	66.7	239	3	US-09-677-192-32	Sequence 32, Appl
c 103	12	66.7	177	3	US-09-899-302-61	Sequence 61, Appl	c 176	12	66.7	239	3	US-09-677-192-36	Sequence 36, Appl
c 104	12	66.7	177	3	US-09-899-302-67	Sequence 67, Appl	c 177	12	66.7	239	3	US-09-402-618B-32	Sequence 32, Appl
c 105	12	66.7	177	3	US-09-899-302-68	Sequence 68, Appl	c 178	12	66.7	239	3	US-09-402-618B-36	Sequence 36, Appl
c 106	12	66.7	177	3	US-09-899-302-69	Sequence 69, Appl	c 179	12	66.7	239	3	US-09-825-574-32	Sequence 32, Appl
c 107	12	66.7	177	3	US-09-899-302-70	Sequence 70, Appl	c 180	12	66.7	239	3	US-09-825-574-36	Sequence 36, Appl
c 108	12	66.7	177	3	US-09-899-302-72	Sequence 72, Appl	c 181	12	66.7	239	3	US-09-676-768-32	Sequence 32, Appl
c 109	12	66.7	177	3	US-09-899-302-73	Sequence 73, Appl	c 182	12	66.7	239	3	US-09-676-768-36	Sequence 36, Appl
c 110	12	66.7	177	3	US-09-899-302-74	Sequence 74, Appl	c 183	12	66.7	240	3	US-09-034-205-33	Sequence 33, Appl
c 111	12	66.7	177	3	US-09-899-302-75	Sequence 75, Appl	c 184	12	66.7	240	3	US-09-034-205-38	Sequence 38, Appl
c 112	12	66.7	177	3	US-09-899-302-76	Sequence 76, Appl	c 185	12	66.7	240	3	US-08-934-097A-33	Sequence 33, Appl
c 113	12	66.7	177	3	US-09-899-302-77	Sequence 77, Appl	c 186	12	66.7	240	3	US-08-934-097A-38	Sequence 38, Appl
c 114	12	66.7	177	3	US-09-899-302-78	Sequence 78, Appl	c 187	12	66.7	240	3	US-08-851-588-33	Sequence 33, Appl
c 115	12	66.7	177	3	US-09-899-302-79	Sequence 79, Appl	c 188	12	66.7	240	3	US-08-851-588-38	Sequence 38, Appl
c 116	12	66.7	177	3	US-09-899-302-80	Sequence 80, Appl	c 189	12	66.7	240	3	US-09-677-218B-33	Sequence 33, Appl
c 117	12	66.7	177	3	US-09-899-082B-61	Sequence 61, Appl	c 190	12	66.7	240	3	US-09-677-218B-38	Sequence 38, Appl
c 118	12	66.7	177	3	US-09-899-082B-67	Sequence 67, Appl	c 191	12	66.7	240	3	US-09-677-192-33	Sequence 33, Appl
c 119	12	66.7	177	3	US-09-899-082B-68	Sequence 68, Appl	c 192	12	66.7	240	3	US-09-677-192-38	Sequence 38, Appl
c 120	12	66.7	177	3	US-09-899-082B-69	Sequence 69, Appl	c 193	12	66.7	240	3	US-09-402-618B-33	Sequence 33, Appl
c 121	12	66.7	177	3	US-09-899-082B-70	Sequence 70, Appl	c 194	12	66.7	240	3	US-09-402-618B-38	Sequence 38, Appl
c 122	12	66.7	177	3	US-09-899-082B-72	Sequence 72, Appl	c 195	12	66.7	240	3	US-09-825-574-33	Sequence 33, Appl
c 123	12	66.7	177	3	US-09-899-082B-73	Sequence 73, Appl	c 196	12	66.7	240	3	US-09-825-574-38	Sequence 38, Appl
c 124	12	66.7	177	3	US-09-899-082B-74	Sequence 74, Appl	c 197	12	66.7	240	3	US-09-676-768-33	Sequence 33, Appl
c 125	12	66.7	177	3	US-09-899-082B-75	Sequence 75, Appl	c 198	12	66.7	240	3	US-09-676-768-38	Sequence 38, Appl
c 126	12	66.7	177	3	US-09-899-082B-76	Sequence 76, Appl	c 199	12	66.7	242	2	US-08-333-595-1	Sequence 1, Appl
c 127	12	66.7	177	3	US-09-899-082B-77	Sequence 77, Appl	c 200	12	66.7	244	3	US-09-034-205-26	Sequence 26, Appl
c 128	12	66.7	177	3	US-09-899-082B-78	Sequence 78, Appl	c 201	12	66.7	244	3	US-09-034-205-29	Sequence 29, Appl
c 129	12	66.7	177	3	US-09-899-082B-79	Sequence 79, Appl	c 202	12	66.7	244	3	US-09-034-205-31	Sequence 31, Appl
c 130	12	66.7	177	3	US-09-899-082B-80	Sequence 80, Appl	c 203	12	66.7	244	3	US-08-934-097A-26	Sequence 26, Appl
c 131	12	66.7	177	3	US-09-899-082B-108	Sequence 108, Appl	c 204	12	66.7	244	3	US-08-934-097A-29	Sequence 29, Appl
c 132	12	66.7	178	2	US-08-256-568B-59	Sequence 59, Appl	c 205	12	66.7	244	3	US-08-934-097A-31	Sequence 31, Appl
c 133	12	66.7	178	2	US-08-256-568B-71	Sequence 71, Appl	c 206	12	66.7	244	3	US-08-851-588-26	Sequence 26, Appl
c 134	12	66.7	178	3	US-09-038-369B-59	Sequence 59, Appl	c 207	12	66.7	244	3	US-08-851-588-29	Sequence 29, Appl
c 135	12	66.7	178	3	US-09-038-369B-71	Sequence 71, Appl	c 208	12	66.7	244	3	US-08-851-588-31	Sequence 31, Appl
c 136	12	66.7	178	3	US-09-378-900A-59	Sequence 59, Appl	c 209	12	66.7	244	3	US-09-677-218B-26	Sequence 26, Appl
c 137	12	66.7	178	3	US-09-378-900A-71	Sequence 71, Appl	c 210	12	66.7	244	3	US-09-677-218B-29	Sequence 29, Appl
c 138	12	66.7	178	3	US-09-899-044-59	Sequence 59, Appl	c 211	12	66.7	244	3	US-09-677-218B-31	Sequence 31, Appl
c 139	12	66.7	178	3	US-09-899-044-59	Sequence 59, Appl	c 212	12	66.7	244	3	US-09-677-192-26	Sequence 26, Appl
c 140	12	66.7	178	3	US-09-899-302-59	Sequence 59, Appl	c 213	12	66.7	244	3	US-09-677-192-29	Sequence 29, Appl
c 141	12	66.7	178	3	US-09-899-302-71	Sequence 71, Appl	c 214	12	66.7	244	3	US-09-677-192-31	Sequence 31, Appl
c 142	12	66.7	178	3	US-09-899-082B-59	Sequence 59, Appl	c 215	12	66.7	244	3	US-09-402-618B-26	Sequence 26, Appl
c 143	12	66.7	178	3	US-09-899-082B-71	Sequence 71, Appl	c 216	12	66.7	244	3	US-09-402-618B-29	Sequence 29, Appl
c 144	12	66.7	180	3	US-08-441-971-50	Sequence 50, Appl	c 217	12	66.7	244	3	US-09-402-618B-31	Sequence 31, Appl
c 145	12	66.7	180	3	US-08-441-971-51	Sequence 51, Appl	c 218	12	66.7	244	3	US-09-402-618B-124	Sequence 124, Appl
c 146	12	66.7	180	3	US-08-221-653-50	Sequence 50, Appl	c 219	12	66.7	244	3	US-09-402-618B-127	Sequence 127, Appl
c 147	12	66.7	180	3	US-08-221-653-51	Sequence 51, Appl	c 220	12	66.7	244	3	US-09-402-618B-128	Sequence 128, Appl
c 148	12	66.7	180	3	US-08-442-144A-50	Sequence 50, Appl	c 221	12	66.7	244	3	US-09-825-574-26	Sequence 26, Appl
c 149	12	66.7	180	3	US-08-442-144A-51	Sequence 51, Appl	c 222	12	66.7	244	3	US-09-825-574-29	Sequence 29, Appl
c 150	12	66.7	180	3	US-08-441-970-50	Sequence 50, Appl	c 223	12	66.7	244	3	US-09-825-574-31	Sequence 31, Appl
c 151	12	66.7	180	3	US-08-441-970-51	Sequence 51, Appl	c 224	12	66.7	244	3	US-09-676-768-26	Sequence 26, Appl
c 152	12	66.7	190	3	US-09-899-082B-102	Sequence 102, Appl	c 225	12	66.7	244	3	US-09-676-768-29	Sequence 29, Appl
c 153	12	66.7	194	2	US-08-634-797-46	Sequence 46, Appl	c 226	12	66.7	244	3	US-09-676-768-31	Sequence 31, Appl
c 154	12	66.7	194	2	US-08-634-797-47	Sequence 47, Appl	c 227	12	66.7	244	3	US-09-676-768-33	Sequence 33, Appl
c 155	12	66.7	194	2	US-08-634-797-48	Sequence 48, Appl	c 228	12	66.7	252	3	US-08-441-971-33	Sequence 34, Appl
c 156	12	66.7	201	3	US-09-270-767-28457	Sequence 28457, A	c 229	12	66.7	252	3	US-08-441-971-35	Sequence 35, Appl
c 157	12	66.7	221	3	US-09-513-999C-29549	Sequence 29549, A	c 230	12	66.7	252	3	US-08-441-971-36	Sequence 36, Appl
c 158	12	66.7	227	3	US-09-899-082B-103	Sequence 103, Appl	c 231	12	66.7	252	3	US-08-441-971-37	Sequence 37, Appl
c 159	12	66.7	232	3	US-09-034-205-37	Sequence 37, Appl	c 232	12	66.7	252	3	US-08-441-971-38	Sequence 38, Appl
c 160	12	66.7	232	3	US-08-934-097A-37	Sequence 37, Appl	c 233	12	66.7	252	3	US-08-441-971-39	Sequence 39, Appl
c 161	12	66.7	232	3	US-08-851-588-37	Sequence 37, Appl	c 234	12	66.7	252	3	US-08-441-971-40	Sequence 40, Appl
c 162	12	66.7	232	3	US-09-677-218B-37	Sequence 37, Appl	c 235	12	66.7	252	3	US-08-441-971-41	Sequence 41, Appl
c 163	12	66.7	232	3	US-09-677-192-37	Sequence 37, Appl	c 236	12	66.7	252	3	US-08-441-971-42	Sequence 42, Appl
c 164	12	66.7	232	3	US-09-402-618B-37	Sequence 37, Appl	c 237	12	66.7	252	3	US-08-441-971-43	Sequence 43, Appl
c 165	12	66.7	232	3	US-09-825-574-37	Sequence 37, Appl	c 238	12	66.7	252	3	US-08-441-971-44	Sequence 44, Appl
c 166	12	66.7	232	3	US-09-825-574-39	Sequence 37, Appl	c 239	12	66.7	252	3	US-08-441-971-45	Sequence 45, Appl
c 167	12	66.7	239	3	US-09-676-768-37	Sequence 37, Appl	c 240	12	66.7	252	3	US-08-441-971-49	Sequence 49, Appl
c 168	12	66.7	239	3	US-09-034-205-32	Sequence 32, Appl	c 241	12	66.7	252	3	US-08-221-653-33	Sequence 33, Appl
c 169	12	66.7	239	3	US-09-034-205-36	Sequence 36, Appl	c 242	12	66.7	252	3	US-08-221-653-34	Sequence 34, Appl
c 170	12	66.7	239	3	US-08-934-097A-36	Sequence 36, Appl	c 243	12	66.7	252	3	US-08-221-653-35	Sequence 35, Appl

C 244	12	66.7	252	3	US-08-221-653-36	Sequence 36, Appl	317	12	66.7	281	3	US-09-655-378A-132	Sequence 132, App
C 245	12	66.7	252	3	US-08-221-653-37	Sequence 37, Appl	C 318	12	66.7	282	2	US-08-757-653-124	Sequence 124, App
C 246	12	66.7	252	3	US-08-221-653-38	Sequence 38, Appl	C 319	12	66.7	282	2	US-08-757-653-130	Sequence 130, App
C 247	12	66.7	252	3	US-08-221-653-39	Sequence 39, Appl	C 320	12	66.7	282	3	US-08-520-946-124	Sequence 124, App
C 248	12	66.7	252	3	US-08-221-653-40	Sequence 40, Appl	C 321	12	66.7	282	3	US-08-520-946-130	Sequence 130, App
C 249	12	66.7	252	3	US-08-221-653-41	Sequence 41, Appl	C 322	12	66.7	282	3	US-09-655-378A-124	Sequence 124, App
C 250	12	66.7	252	3	US-08-221-653-42	Sequence 42, Appl	C 323	12	66.7	282	3	US-09-655-378A-130	Sequence 130, App
C 251	12	66.7	252	3	US-08-221-653-43	Sequence 43, Appl	C 324	12	66.7	286	3	US-09-490-609B-21	Sequence 21, Appl
C 252	12	66.7	252	3	US-08-221-653-44	Sequence 44, Appl	C 325	12	66.7	289	3	US-09-034-205-20	Sequence 20, Appl
C 253	12	66.7	252	3	US-08-221-653-45	Sequence 45, Appl	C 326	12	66.7	289	3	US-09-034-205-23	Sequence 23, Appl
C 254	12	66.7	252	3	US-08-221-653-46	Sequence 46, Appl	C 327	12	66.7	289	3	US-08-934-097A-20	Sequence 20, Appl
C 255	12	66.7	252	3	US-08-442-144A-33	Sequence 33, Appl	C 328	12	66.7	289	3	US-08-934-097A-23	Sequence 23, Appl
C 256	12	66.7	252	3	US-08-442-144A-34	Sequence 34, Appl	C 329	12	66.7	289	3	US-08-851-588-20	Sequence 20, Appl
C 257	12	66.7	252	3	US-08-442-144A-35	Sequence 35, Appl	C 330	12	66.7	289	3	US-08-851-588-23	Sequence 23, Appl
C 258	12	66.7	252	3	US-08-442-144A-36	Sequence 36, Appl	C 331	12	66.7	289	3	US-09-677-218B-20	Sequence 20, Appl
C 259	12	66.7	252	3	US-08-442-144A-37	Sequence 37, Appl	C 332	12	66.7	289	3	US-09-677-218B-23	Sequence 23, Appl
C 260	12	66.7	252	3	US-08-442-144A-38	Sequence 38, Appl	C 333	12	66.7	289	3	US-09-677-192-20	Sequence 20, Appl
C 261	12	66.7	252	3	US-08-442-144A-39	Sequence 39, Appl	C 334	12	66.7	289	3	US-09-677-192-23	Sequence 23, Appl
C 262	12	66.7	252	3	US-08-442-144A-40	Sequence 40, Appl	C 335	12	66.7	289	3	US-09-402-618B-20	Sequence 20, Appl
C 263	12	66.7	252	3	US-08-442-144A-41	Sequence 41, Appl	C 336	12	66.7	289	3	US-09-402-618B-23	Sequence 23, Appl
C 264	12	66.7	252	3	US-08-442-144A-42	Sequence 42, Appl	C 337	12	66.7	289	3	US-09-825-574-20	Sequence 20, Appl
C 265	12	66.7	252	3	US-08-442-144A-43	Sequence 43, Appl	C 338	12	66.7	289	3	US-09-825-574-23	Sequence 23, Appl
C 266	12	66.7	252	3	US-08-442-144A-44	Sequence 44, Appl	C 339	12	66.7	289	3	US-09-676-768-20	Sequence 20, Appl
C 267	12	66.7	252	3	US-08-442-144A-45	Sequence 45, Appl	C 340	12	66.7	289	3	US-09-676-768-23	Sequence 23, Appl
C 268	12	66.7	252	3	US-08-442-144A-49	Sequence 49, Appl	C 341	12	66.7	305	2	US-08-332-616A-1	Sequence 1, Appl
C 269	12	66.7	252	3	US-08-441-970-33	Sequence 33, Appl	C 342	12	66.7	305	2	US-08-317-220-1	Sequence 1, Appl
C 270	12	66.7	252	3	US-08-441-970-34	Sequence 34, Appl	C 343	12	66.7	308	3	US-08-444-818-108	Sequence 108, App
C 271	12	66.7	252	3	US-08-441-970-35	Sequence 35, Appl	C 344	12	66.7	308	3	US-08-444-818-109	Sequence 109, App
C 272	12	66.7	252	3	US-08-441-970-36	Sequence 36, Appl	C 345	12	66.7	308	3	US-08-444-818-110	Sequence 110, App
C 273	12	66.7	252	3	US-08-441-970-37	Sequence 37, Appl	C 346	12	66.7	308	3	US-08-444-818-112	Sequence 112, App
C 274	12	66.7	252	3	US-08-441-970-38	Sequence 38, Appl	C 347	12	66.7	308	3	US-08-444-818-114	Sequence 114, App
C 275	12	66.7	252	3	US-08-441-970-39	Sequence 39, Appl	C 348	12	66.7	308	3	US-08-444-818-116	Sequence 116, App
C 276	12	66.7	252	3	US-08-441-970-40	Sequence 40, Appl	C 349	12	66.7	308	3	US-08-444-818-118	Sequence 118, App
C 277	12	66.7	252	3	US-08-441-970-41	Sequence 41, Appl	C 350	12	66.7	309	3	US-09-513-999C-15853	Sequence 15853, A
C 278	12	66.7	252	3	US-08-441-970-42	Sequence 42, Appl	C 351	12	66.7	324	2	US-08-470-426B-1	Sequence 1, Appl
C 279	12	66.7	252	3	US-08-441-970-43	Sequence 43, Appl	C 352	12	66.7	324	2	US-08-470-426B-15	Sequence 15, Appl
C 280	12	66.7	252	3	US-08-441-970-44	Sequence 44, Appl	C 353	12	66.7	327	2	US-08-756-386-56	Sequence 56, Appl
C 281	12	66.7	252	3	US-08-441-970-45	Sequence 45, Appl	C 354	12	66.7	337	2	US-08-823-516-45	Sequence 45, Appl
C 282	12	66.7	252	3	US-08-483-695-1	Sequence 1, Appl	C 355	12	66.7	337	3	US-08-682-853A-56	Sequence 56, Appl
C 283	12	66.7	256	2	US-08-483-695-24	Sequence 24, Appl	C 356	12	66.7	337	3	US-08-759-038-56	Sequence 56, Appl
C 284	12	66.7	256	2	US-08-483-695-25	Sequence 25, Appl	C 357	12	66.7	337	3	US-08-758-314-56	Sequence 56, Appl
C 285	12	66.7	256	2	US-08-483-695-26	Sequence 26, Appl	C 358	12	66.7	337	3	US-09-350-309-56	Sequence 56, Appl
C 286	12	66.7	256	2	US-07-965-285-1	Sequence 1, Appl	C 359	12	66.7	337	3	US-09-684-938-56	Sequence 56, Appl
C 287	12	66.7	256	2	US-07-965-285-24	Sequence 24, Appl	C 360	12	66.7	337	3	US-09-308-825A-56	Sequence 56, Appl
C 288	12	66.7	256	2	US-07-965-285-25	Sequence 25, Appl	C 361	12	66.7	337	3	US-09-940-244-45	Sequence 45, Appl
C 289	12	66.7	256	2	US-07-965-285-26	Sequence 26, Appl	C 362	12	66.7	337	3	US-09-333-145-56	Sequence 56, Appl
C 290	12	66.7	256	2	US-08-487-231-1	Sequence 1, Appl	C 363	12	66.7	337	3	US-09-381-212-45	Sequence 45, Appl
C 291	12	66.7	256	2	US-08-487-231-24	Sequence 24, Appl	C 364	12	66.7	337	3	US-10-081-806-56	Sequence 56, Appl
C 292	12	66.7	256	2	US-08-487-231-25	Sequence 25, Appl	C 365	12	66.7	337	3	US-09-713-601A-45	Sequence 45, Appl
C 293	12	66.7	256	2	US-08-487-231-26	Sequence 26, Appl	C 366	12	66.7	339	3	US-09-513-999C-22343	Sequence 22343, A
C 294	12	66.7	256	3	US-09-201-912-1	Sequence 1, Appl	C 367	12	66.7	341	2	US-08-440-209-1	Sequence 1, Appl
C 295	12	66.7	256	3	US-09-201-912-24	Sequence 24, Appl	C 368	12	66.7	341	3	US-08-854-531-4	Sequence 4, Appl
C 296	12	66.7	256	3	US-09-201-912-25	Sequence 25, Appl	C 369	12	66.7	341	3	US-08-439-996-1	Sequence 1, Appl
C 297	12	66.7	256	3	US-09-201-912-26	Sequence 26, Appl	C 370	12	66.7	341	3	US-09-014-416-47	Sequence 47, Appl
C 298	12	66.7	256	3	US-08-474-700B-40	Sequence 40, Appl	C 371	12	66.7	341	3	US-09-014-416-48	Sequence 48, Appl
C 299	12	66.7	260	3	US-09-899-082B-98	Sequence 98, Appl	C 372	12	66.7	341	3	US-09-014-416-49	Sequence 49, Appl
C 300	12	66.7	260	3	US-09-899-082B-99	Sequence 99, Appl	C 373	12	66.7	341	3	US-08-869-380-4	Sequence 4, Appl
C 301	12	66.7	278	3	US-09-533-559-3593	Sequence 3593, Ap	C 374	12	66.7	341	3	US-09-814-351-3	Sequence 3, Appl
C 302	12	66.7	281	2	US-08-757-653-121	Sequence 121, App	C 375	12	66.7	341	3	US-09-814-292-44	Sequence 44, Appl
C 303	12	66.7	281	2	US-08-757-653-126	Sequence 126, App	C 376	12	66.7	341	3	US-09-814-353-3	Sequence 3, Appl
C 304	12	66.7	281	2	US-08-757-653-127	Sequence 127, App	C 377	12	66.7	341	3	US-10-081-806-56	Sequence 56, Appl
C 305	12	66.7	281	2	US-08-757-653-128	Sequence 128, App	C 378	12	66.7	341	3	US-10-259-275-35	Sequence 35, Appl
C 306	12	66.7	281	2	US-08-757-653-129	Sequence 129, App	C 379	12	66.7	341	6	PCT-US95-13552-4	Sequence 4, Appl
C 307	12	66.7	281	2	US-08-520-946-121	Sequence 121, App	C 380	12	66.7	347	3	US-08-474-700B-39	Sequence 39, Appl
C 308	12	66.7	281	2	US-08-520-946-126	Sequence 126, App	C 381	12	66.7	350	2	US-08-150-204E-100	Sequence 100, App
C 309	12	66.7	281	3	US-08-520-946-127	Sequence 127, App	C 382	12	66.7	350	6	PCT-US93-03286-1	Sequence 1, Appl
C 310	12	66.7	281	3	US-08-520-946-128	Sequence 128, App	C 383	12	66.7	356	3	US-09-513-999C-31161	Sequence 31161, A
C 311	12	66.7	281	3	US-08-520-946-132	Sequence 132, App	C 384	12	66.7	359	3	US-08-150-204E-99	Sequence 99, Appl
C 312	12	66.7	281	3	US-09-655-378A-121	Sequence 121, App	C 385	12	66.7	360	3	US-08-150-204E-98	Sequence 98, Appl
C 313	12	66.7	281	3	US-09-655-378A-126	Sequence 126, App	C 386	12	66.7	370	3	US-09-621-976-1980	Sequence 1980, Ap
C 314	12	66.7	281	3	US-09-655-378A-127	Sequence 127, App	C 387	12	66.7	386	2	US-08-757-653-122	Sequence 122, App
C 315	12	66.7	281	3	US-09-655-378A-128	Sequence 128, App	C 388	12	66.7	386	3	US-08-520-946-122	Sequence 122, App
C 316	12	66.7	281	3	US-09-655-378A-128	Sequence 128, App	C 389	12	66.7	386	3	US-09-655-378A-122	Sequence 122, App

C 390	12	66.7	401	3	US-09-643-597-264	Sequence 264, App	C 463	12	66.7	725	3	US-09-328-475C-395	Sequence 295, App
C 391	12	66.7	401	3	US-09-480-884A-264	Sequence 264, App	C 464	12	66.7	736	3	US-09-328-475C-394	Sequence 294, App
C 392	12	66.7	401	3	US-09-542-615A-264	Sequence 264, App	C 465	12	66.7	780	3	US-08-474-700B-45	Sequence 45, Appl
C 393	12	66.7	401	3	US-09-606-421B-264	Sequence 264, App	C 466	12	66.7	789	3	US-09-109-204-11	Sequence 11, Appl
C 394	12	66.7	401	3	US-09-630-940B-264	Sequence 264, App	C 467	12	66.7	789	3	US-09-490-033-11	Sequence 11, Appl
C 395	12	66.7	401	3	US-10-007-700-264	Sequence 264, App	C 468	12	66.7	789	3	US-09-949-016-2067	Sequence 2067, App
C 396	12	66.7	420	3	US-09-902-540-5709	Sequence 5709, App	C 469	12	66.7	803	2	US-08-157-235-1	Sequence 1, Appl
C 397	12	66.7	447	3	US-09-621-976-17212	Sequence 17212, A	C 470	12	66.7	803	2	US-08-157-235-2	Sequence 2, Appl
C 398	12	66.7	461	3	US-08-836-075A-103	Sequence 103, App	C 471	12	66.7	803	2	US-08-157-235-3	Sequence 3, Appl
C 399	12	66.7	462	2	US-08-852-807-6	Sequence 6, Appl	C 472	12	66.7	803	2	US-08-157-235-4	Sequence 4, Appl
C 400	12	66.7	470	3	US-09-653-119A-16	Sequence 16, Appl	C 473	12	66.7	803	2	US-08-157-235-5	Sequence 5, Appl
C 401	12	66.7	504	3	US-08-191-160-18	Sequence 18, Appl	C 474	12	66.7	819	3	US-09-910-174B-20	Sequence 20, Appl
C 402	12	66.7	587	3	US-09-720-201A-2	Sequence 2, Appl	C 475	12	66.7	819	3	US-09-620-461-20	Sequence 20, Appl
C 403	12	66.7	601	3	US-09-949-016-19009	Sequence 19009, A	C 476	12	66.7	821	3	US-09-342-681C-7	Sequence 7, Appl
C 404	12	66.7	601	3	US-09-949-016-22107	Sequence 22107, A	C 477	12	66.7	821	3	US-08-869-380-1	Sequence 1, Appl
C 405	12	66.7	601	3	US-09-949-016-23106	Sequence 23106, A	C 478	12	66.7	923	3	PCT-US95-13552-14	Sequence 14, Appl
C 406	12	66.7	601	3	US-09-949-016-27838	Sequence 27838, A	C 479	12	66.7	995	3	US-09-270-767-12652	Sequence 12652, A
C 407	12	66.7	601	3	US-09-949-016-35419	Sequence 35419, A	C 480	12	66.7	1024	3	US-09-949-016-5707	Sequence 5707, App
C 408	12	66.7	601	3	US-09-949-016-35420	Sequence 35420, A	C 481	12	66.7	1057	3	US-09-205-258-204	Sequence 204, App
C 409	12	66.7	601	3	US-09-949-016-35421	Sequence 35421, A	C 482	12	66.7	1057	3	US-10-004-860-204	Sequence 204, App
C 410	12	66.7	601	3	US-09-949-016-35422	Sequence 35422, A	C 483	12	66.7	1105	3	US-08-466-103A-15	Sequence 15, Appl
C 411	12	66.7	601	3	US-09-949-016-47089	Sequence 47089, A	C 484	12	66.7	1105	3	US-09-016-434-1481	Sequence 1481, App
C 412	12	66.7	601	3	US-09-949-016-48640	Sequence 48640, A	C 485	12	66.7	1131	3	US-09-247-155-146	Sequence 146, App
C 413	12	66.7	601	3	US-09-949-016-55193	Sequence 55193, A	C 486	12	66.7	1131	3	US-09-903-190-146	Sequence 146, App
C 414	12	66.7	601	3	US-09-949-016-55671	Sequence 55671, A	C 487	12	66.7	1176	3	US-09-342-681C-14	Sequence 14, Appl
C 415	12	66.7	601	3	US-09-949-016-58990	Sequence 58990, A	C 488	12	66.7	1192	3	US-09-023-655-600	Sequence 600, App
C 416	12	66.7	601	3	US-09-949-016-63043	Sequence 63043, A	C 489	12	66.7	1223	3	US-09-949-016-2283	Sequence 2283, App
C 417	12	66.7	601	3	US-09-949-016-68946	Sequence 68946, A	C 490	12	66.7	1248	3	US-09-799-451-844	Sequence 844, App
C 418	12	66.7	601	3	US-09-949-016-81230	Sequence 81230, A	C 491	12	66.7	1261	3	US-09-755-100A-6	Sequence 6, Appl
C 419	12	66.7	601	3	US-09-949-016-82531	Sequence 82531, A	C 492	12	66.7	1272	3	US-09-489-039A-6276	Sequence 6276, App
C 420	12	66.7	601	3	US-09-949-016-94155	Sequence 94155, A	C 493	12	66.7	1340	3	US-09-673-395A-54	Sequence 54, Appl
C 421	12	66.7	601	3	US-09-949-016-116947	Sequence 116947, A	C 494	12	66.7	1499	2	US-08-342-977-3	Sequence 3, Appl
C 422	12	66.7	601	3	US-09-949-016-127463	Sequence 127463, A	C 495	12	66.7	1499	2	US-08-384-616-3	Sequence 3, Appl
C 423	12	66.7	601	3	US-09-949-016-131124	Sequence 131124, A	C 496	12	66.7	1499	2	US-08-904-688A-3	Sequence 3, Appl
C 424	12	66.7	601	3	US-09-949-016-131125	Sequence 131125, A	C 497	12	66.7	1499	3	US-09-315-850-3	Sequence 3, Appl
C 425	12	66.7	601	3	US-09-949-016-132404	Sequence 132404, A	C 498	12	66.7	1574	3	US-09-342-681C-1	Sequence 1, Appl
C 426	12	66.7	601	3	US-09-949-016-132405	Sequence 132405, A	C 499	12	66.7	1574	3	US-08-424-224-1	Sequence 1, Appl
C 427	12	66.7	601	3	US-09-949-016-177691	Sequence 177691, A	C 500	12	66.7	1608	6	PCT-US94-02891-68	Sequence 68, Appl
C 428	12	66.7	601	3	US-09-949-016-177691	Sequence 177691, A	C 501	12	66.7	1608	6	US-09-620-312D-445	Sequence 445, App
C 429	12	66.7	601	3	US-09-949-016-178899	Sequence 178899, A	C 502	12	66.7	1635	3	US-08-948-564-5	Sequence 5, Appl
C 430	12	66.7	601	3	US-09-949-016-179483	Sequence 179483, A	C 503	12	66.7	1644	3	US-09-266-965-68	Sequence 68, Appl
C 431	12	66.7	601	3	US-09-949-016-179484	Sequence 179484, A	C 504	12	66.7	1752	3	US-09-360-779-1	Sequence 1, Appl
C 432	12	66.7	601	3	US-09-949-016-179485	Sequence 179485, A	C 505	12	66.7	1752	3	US-09-435-335-1	Sequence 1, Appl
C 433	12	66.7	601	3	US-09-949-016-179486	Sequence 179486, A	C 506	12	66.7	1752	3	US-09-818-780-71	Sequence 71, Appl
C 434	12	66.7	601	3	US-09-949-016-183217	Sequence 183217, A	C 507	12	66.7	1773	3	US-08-470-426B-13	Sequence 13, Appl
C 435	12	66.7	601	3	US-09-949-016-184414	Sequence 184414, A	C 508	12	66.7	1863	2	US-08-470-428B-14	Sequence 14, Appl
C 436	12	66.7	601	3	US-09-949-016-198532	Sequence 198532, A	C 509	12	66.7	1863	2	US-09-902-540-3231	Sequence 3231, App
C 437	12	66.7	601	3	US-09-949-016-198533	Sequence 198533, A	C 510	12	66.7	1968	3	US-09-949-016-450	Sequence 450, App
C 438	12	66.7	601	3	US-09-949-016-203551	Sequence 203551, A	C 511	12	66.7	2052	3	US-09-220-132-41	Sequence 41, Appl
C 439	12	66.7	601	3	US-09-949-016-203552	Sequence 203552, A	C 512	12	66.7	2098	3	US-08-154-915-5	Sequence 5, Appl
C 440	12	66.7	601	3	US-09-949-002-954	Sequence 954, App	C 513	12	66.7	2100	2	US-09-949-016-5354	Sequence 5354, App
C 441	12	66.7	601	3	US-09-949-002-1754	Sequence 1754, App	C 514	12	66.7	2105	2	US-07-970-462A-1	Sequence 1, Appl
C 442	12	66.7	601	3	US-09-949-002-1806	Sequence 1806, App	C 515	12	66.7	2106	2	US-08-524-218A-1	Sequence 1, Appl
C 443	12	66.7	601	3	US-09-949-002-3131	Sequence 3131, App	C 516	12	66.7	2106	2	US-08-327-874A-1	Sequence 1, Appl
C 444	12	66.7	601	3	US-09-949-002-3132	Sequence 3132, App	C 517	12	66.7	2106	3	US-10-008-960-1	Sequence 1, Appl
C 445	12	66.7	601	3	US-09-949-002-4911	Sequence 4911, App	C 518	12	66.7	2106	6	PCT-US92-10904-1	Sequence 1, Appl
C 446	12	66.7	601	3	US-09-949-002-8643	Sequence 8643, App	C 519	12	66.7	2106	6	PCT-US94-09700-1	Sequence 1, Appl
C 447	12	66.7	601	3	US-09-949-002-9401	Sequence 9401, App	C 520	12	66.7	2106	3	US-10-104-047-1778	Sequence 1778, App
C 448	12	66.7	601	3	US-09-949-002-9402	Sequence 9402, App	C 521	12	66.7	2110	3	US-08-191-160-21	Sequence 21, Appl
C 449	12	66.7	601	3	US-09-949-002-9694	Sequence 9694, App	C 522	12	66.7	2116	3	US-09-221-268D-2	Sequence 2, Appl
C 450	12	66.7	652	3	US-08-836-075A-59	Sequence 59, Appl	C 523	12	66.7	2147	3	US-09-620-312D-334	Sequence 334, App
C 451	12	66.7	665	3	US-08-444-818-94	Sequence 94, Appl	C 524	12	66.7	2163	3	US-10-104-047-731	Sequence 124, App
C 452	12	66.7	665	3	US-08-444-818-95	Sequence 95, Appl	C 525	12	66.7	2173	3	US-09-919-039-124	Sequence 124, App
C 453	12	66.7	665	3	US-08-444-818-96	Sequence 96, Appl	C 526	12	66.7	2177	3	US-09-774-528-309	Sequence 309, App
C 454	12	66.7	665	3	US-08-444-818-98	Sequence 98, Appl	C 527	12	66.7	2200	3	US-10-120-988-309	Sequence 309, App
C 455	12	66.7	665	3	US-08-444-818-100	Sequence 100, App	C 528	12	66.7	2200	3	US-09-910-174B-1	Sequence 1, Appl
C 456	12	66.7	665	3	US-08-444-818-102	Sequence 102, App	C 529	12	66.7	2229	3	US-09-620-461-1	Sequence 1, Appl
C 457	12	66.7	685	3	US-09-690-936-37	Sequence 37, Appl	C 530	12	66.7	2235	3	US-09-949-016-3736	Sequence 3736, App
C 458	12	66.7	686	3	US-08-988-321B-37	Sequence 37, Appl	C 531	12	66.7	2246	3	US-09-949-016-4937	Sequence 4937, App
C 459	12	66.7	686	3	US-08-397-220B-25	Sequence 25, Appl	C 532	12	66.7	2246	3	US-09-023-655-1410	Sequence 1410, App
C 460	12	66.7	700	3	US-08-650-093C-25	Sequence 25, Appl	C 533	12	66.7	2256	2	US-07-794-393-1	Sequence 1, Appl
C 461	12	66.7	702	3	US-09-735-271-807	Sequence 807, App	C 534	12	66.7	2256	2	US-08-001-711-1	Sequence 1, Appl
C 462	12	66.7	713	3	US-09-720-201A-3	Sequence 3, Appl	C 535	12	66.7	2281	3	US-10-131-827-8887	Sequence 8887, App

c 536	12	66.7	2327	3	US-10-066-130-20	Sequence 20, Appl	c 609	12	66.7	8001	3	US-09-539-601-7	Sequence 7, Appl
c 537	12	66.7	2393	3	US-09-023-653-258	Sequence 258, Appl	c 610	12	66.7	8001	3	US-09-539-601-16	Sequence 16, Appl
c 538	12	66.7	2477	3	US-09-949-002-39	Sequence 39, Appl	c 611	12	66.7	8001	3	US-09-539-601-22	Sequence 22, Appl
c 539	12	66.7	2483	2	US-08-177-109A-1	Sequence 1, Appl	c 612	12	66.7	8001	3	US-09-539-601-28	Sequence 28, Appl
c 540	12	66.7	2483	2	US-08-687-706-1	Sequence 1, Appl	c 613	12	66.7	8050	3	US-09-949-016-12	Sequence 12, Appl
c 541	12	66.7	2487	3	US-09-620-312D-160	Sequence 160, Appl	c 614	12	66.7	8596	3	US-09-949-016-1493	Sequence 1493, A
c 542	12	66.7	2505	3	US-09-799-451-179	Sequence 179, Appl	c 615	12	66.7	8637	3	US-09-539-601-4	Sequence 4, Appl
c 543	12	66.7	2562	3	US-09-620-312D-284	Sequence 284, Appl	c 616	12	66.7	8638	3	US-10-029-907-6	Sequence 6, Appl
c 544	12	66.7	2589	2	US-08-482-728A-3	Sequence 3, Appl	c 617	12	66.7	8638	3	US-10-029-907-7	Sequence 7, Appl
c 545	12	66.7	2674	3	US-10-066-130-19	Sequence 19, Appl	c 618	12	66.7	8638	3	US-10-029-907-24	Sequence 24, Appl
c 546	12	66.7	2733	3	US-09-976-594-517	Sequence 517, Appl	c 619	12	66.7	8638	3	US-10-029-907-25	Sequence 25, Appl
c 547	12	66.7	2754	3	US-09-949-016-5122	Sequence 5122, Ap	c 620	12	66.7	8638	3	US-10-309-561A-6	Sequence 6, Appl
c 548	12	66.7	2764	3	US-09-999-833A-258	Sequence 258, Appl	c 621	12	66.7	8638	3	US-10-309-561A-7	Sequence 7, Appl
c 549	12	66.7	2764	3	US-10-020-445A-258	Sequence 258, Appl	c 622	12	66.7	8638	3	US-10-309-561A-24	Sequence 24, Appl
c 550	12	66.7	2771	3	US-10-066-130-18	Sequence 18, Appl	c 623	12	66.7	8638	3	US-10-309-561A-25	Sequence 25, Appl
c 551	12	66.7	2820	3	US-10-104-047-1479	Sequence 1479, Ap	c 624	12	66.7	8639	3	US-10-029-907-1	Sequence 1, Appl
c 552	12	66.7	2826	3	US-09-949-016-3926	Sequence 3926, Ap	c 625	12	66.7	8639	3	US-10-309-561A-1	Sequence 1, Appl
c 553	12	66.7	2828	3	US-09-016-434-1458	Sequence 1458, Ap	c 626	12	66.7	8642	3	US-10-029-907-2	Sequence 2, Appl
c 554	12	66.7	2879	3	US-09-949-016-5150	Sequence 5150, Ap	c 627	12	66.7	8642	3	US-10-029-907-4	Sequence 4, Appl
c 555	12	66.7	2879	3	US-09-949-002-258	Sequence 258, Appl	c 628	12	66.7	8643	3	US-10-309-561A-2	Sequence 2, Appl
c 556	12	66.7	2901	3	US-09-949-016-4707	Sequence 4707, Ap	c 629	12	66.7	8643	3	US-10-309-561A-4	Sequence 4, Appl
c 557	12	66.7	2980	3	US-09-266-225D-11	Sequence 11, Appl	c 630	12	66.7	8648	3	US-10-029-907-5	Sequence 5, Appl
c 558	12	66.7	3045	3	US-09-949-016-701	Sequence 701, Appl	c 631	12	66.7	8648	3	US-10-309-561A-5	Sequence 5, Appl
c 559	12	66.7	3181	3	US-09-620-312D-856	Sequence 856, Appl	c 632	12	66.7	8649	3	US-09-539-601-13	Sequence 13, Appl
c 560	12	66.7	3264	3	US-09-949-016-1268	Sequence 1268, Ap	c 633	12	66.7	8793	3	US-09-902-540-1042	Sequence 1042, Ap
c 561	12	66.7	3304	3	US-09-673-395A-539	Sequence 539, Appl	c 634	12	66.7	8793	3	US-09-949-016-15668	Sequence 15668, A
c 562	12	66.7	3389	3	US-09-620-312D-1061	Sequence 1061, Ap	c 635	12	66.7	9101	3	US-09-902-540-988	Sequence 988, App
c 563	12	66.7	3478	2	US-08-530-492-1	Sequence 1, Appl	c 636	12	66.7	9185	3	US-08-444-818-122	Sequence 122, App
c 564	12	66.7	3478	2	US-08-906-517-1	Sequence 1, Appl	c 637	12	66.7	9185	3	US-08-444-818-123	Sequence 123, App
c 565	12	66.7	3484	2	US-08-530-492-105	Sequence 105, Appl	c 638	12	66.7	9365	3	US-09-827-688-7	Sequence 7, Appl
c 566	12	66.7	3484	2	US-08-906-517-105	Sequence 105, Appl	c 639	12	66.7	9379	3	US-08-444-818-176	Sequence 176, App
c 567	12	66.7	3604	3	US-09-016-434-1180	Sequence 1180, Ap	c 640	12	66.7	9379	3	US-09-388-874-1	Sequence 1, Appl
c 568	12	66.7	3650	3	US-09-949-016-3694	Sequence 3694, Ap	c 641	12	66.7	9379	3	US-09-916-359-1	Sequence 1, Appl
c 569	12	66.7	4031	2	US-08-159-784-1	Sequence 1, Appl	c 642	12	66.7	9401	2	US-07-910-760-9	Sequence 9, Appl
c 570	12	66.7	4041	3	US-09-569-611C-1	Sequence 1, Appl	c 643	12	66.7	9401	2	US-08-440-519-9	Sequence 9, Appl
c 571	12	66.7	4285	3	US-09-040-774-1	Sequence 1, Appl	c 644	12	66.7	9401	2	US-08-432-693-1	Sequence 1, Appl
c 572	12	66.7	4381	3	US-09-347-878-19	Sequence 19, Appl	c 645	12	66.7	9401	3	US-08-440-549-9	Sequence 9, Appl
c 573	12	66.7	4413	3	US-09-949-016-1868	Sequence 1868, Ap	c 646	12	66.7	9401	3	US-08-823-895A-25	Sequence 25, Appl
c 574	12	66.7	4636	3	US-09-949-016-5248	Sequence 5248, Ap	c 647	12	66.7	9401	6	PCT-US91-02225-9	Sequence 9, Appl
c 575	12	66.7	4700	2	US-08-928-692-16	Sequence 16, Appl	c 648	12	66.7	9413	3	US-09-827-688-6	Sequence 6, Appl
c 576	12	66.7	4700	2	US-09-150-460B-9	Sequence 9, Appl	c 649	12	66.7	9416	2	US-08-324-977-1	Sequence 1, Appl
c 577	12	66.7	4700	3	US-09-339-972-16	Sequence 16, Appl	c 650	12	66.7	9416	2	US-08-384-616-1	Sequence 1, Appl
c 578	12	66.7	5076	3	US-09-949-016-1616	Sequence 1616, Ap	c 651	12	66.7	9416	2	US-08-904-686A-1	Sequence 1, Appl
c 579	12	66.7	5124	3	US-09-534-638-2	Sequence 2, Appl	c 652	12	66.7	9416	2	US-08-811-566-19	Sequence 19, Appl
c 580	12	66.7	5185	3	US-09-976-594-640	Sequence 640, Appl	c 653	12	66.7	9416	3	US-09-315-850-1	Sequence 1, Appl
c 581	12	66.7	5307	3	US-09-949-016-203	Sequence 203, Appl	c 654	12	66.7	9416	3	US-09-034-756-19	Sequence 19, Appl
c 582	12	66.7	5427	3	US-09-009-913-2	Sequence 2, Appl	c 655	12	66.7	9416	3	US-08-823-895A-26	Sequence 26, Appl
c 583	12	66.7	5510	3	US-09-009-913-3	Sequence 3, Appl	c 656	12	66.7	9416	3	US-08-823-895A-27	Sequence 27, Appl
c 584	12	66.7	5567	3	US-09-009-913-4	Sequence 4, Appl	c 657	12	66.7	9416	3	US-10-104-966-13	Sequence 13, Appl
c 585	12	66.7	5660	3	US-10-066-130-17	Sequence 17, Appl	c 658	12	66.7	9416	3	US-09-929-955-13	Sequence 13, Appl
c 586	12	66.7	6109	3	US-09-795-061-1	Sequence 1, Appl	c 659	12	66.7	9455	3	US-09-949-016-15478	Sequence 15478, A
c 587	12	66.7	6139	3	US-08-843-076D-33	Sequence 33, Appl	c 660	12	66.7	9472	3	US-08-150-204E-96	Sequence 96, Appl
c 588	12	66.7	6704	3	US-09-949-002-85	Sequence 85, Appl	c 661	12	66.7	9506	3	US-09-949-016-16449	Sequence 16449, A
c 589	12	66.7	6714	3	US-09-949-002-246	Sequence 246, Appl	c 662	12	66.7	9558	3	US-09-949-016-13026	Sequence 13026, A
c 590	12	66.7	6717	3	US-10-082-272-1	Sequence 1, Appl	c 663	12	66.7	9595	3	US-09-014-416-4	Sequence 4, Appl
c 591	12	66.7	6728	3	US-09-949-016-13103	Sequence 13103, A	c 664	12	66.7	9599	3	US-09-014-416-2	Sequence 2, Appl
c 592	12	66.7	6800	3	US-09-949-016-14697	Sequence 14697, A	c 665	12	66.7	9599	3	US-09-014-416-6	Sequence 6, Appl
c 593	12	66.7	6816	3	US-09-404-650-1	Sequence 1, Appl	c 666	12	66.7	9646	3	US-08-811-566-1	Sequence 1, Appl
c 594	12	66.7	6816	3	US-09-935-541-1	Sequence 1, Appl	c 667	12	66.7	9646	3	US-09-034-756-1	Sequence 1, Appl
c 595	12	66.7	6855	3	US-10-425-800-1	Sequence 1, Appl	c 668	12	66.7	9646	3	US-09-949-016-13582	Sequence 13582, A
c 596	12	66.7	6855	3	US-09-404-650-3	Sequence 3, Appl	c 669	12	66.7	9813	3	US-09-949-016-13068	Sequence 13068, A
c 597	12	66.7	6855	3	US-09-935-541-3	Sequence 3, Appl	c 670	12	66.7	9993	3	US-09-949-002-611	Sequence 611, App
c 598	12	66.7	6855	3	US-10-425-800-3	Sequence 3, Appl	c 671	12	66.7	10267	3	US-09-949-016-16529	Sequence 16529, A
c 599	12	66.7	7070	3	US-09-949-016-12469	Sequence 12469, A	c 672	12	66.7	10267	3	US-09-949-016-16530	Sequence 16530, A
c 600	12	66.7	7070	3	US-09-949-016-15322	Sequence 15322, A	c 673	12	66.7	10451	3	US-08-949-016-12192	Sequence 12192, A
c 601	12	66.7	7242	3	US-09-573-080A-38	Sequence 38, Appl	c 674	12	66.7	10803	3	US-10-259-075-17	Sequence 17, Appl
c 602	12	66.7	7989	3	US-09-539-601-10	Sequence 10, Appl	c 675	12	66.7	10961	3	US-09-807-166-1	Sequence 1, Appl
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c 607	12	66.7	7992	3	US-10-005-469-6	Sequence 6, Appl	c 680	12	66.7	11076	3	US-09-539-601-19	Sequence 19, Appl
c 608	12	66.7	7995	3	US-10-005-469-3	Sequence 3, Appl	c 681	12	66.7	11076	3	US-09-539-601-25	Sequence 25, Appl

c 682	12	66.7	11076	3	US-09-539-601-31	Sequence 31, Appl	c 755	12	66.7	51242	3	US-09-949-016-12486	Sequence 12486, A
c 683	12	66.7	11729	3	US-09-949-016-13247	Sequence 13247, A	c 756	12	66.7	51719	3	US-09-918-686-2	Sequence 2, Appl
c 684	12	66.7	11858	3	US-09-949-016-12443	Sequence 12443, A	c 757	12	66.7	53500	3	US-09-266-965-76	Sequence 76, Appl
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c 691	12	66.7	12047	3	US-09-814-357-11	Sequence 11, Appl	c 764	12	66.7	75295	3	US-09-949-002-575	Sequence 575, App
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c 693	12	66.7	12270	3	US-09-949-016-16892	Sequence 16892, A	c 766	12	66.7	75395	3	US-09-984-890-3	Sequence 3, Appl
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c 699	12	66.7	14315	3	US-09-949-016-12645	Sequence 12645, A	c 772	12	66.7	84916	3	US-09-949-016-14736	Sequence 14736, A
c 700	12	66.7	14315	3	US-09-949-016-16917	Sequence 16917, A	c 773	12	66.7	84916	3	US-09-949-016-14736	Sequence 14736, A
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c 707	12	66.7	16541	3	US-09-949-016-16891	Sequence 16891, A	c 780	12	66.7	95139	3	US-09-918-686-1	Sequence 1, Appl
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c 709	12	66.7	17226	3	US-09-902-540-1148	Sequence 1148, App	c 782	12	66.7	107800	3	US-09-949-016-13118	Sequence 13118, A
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c 724	12	66.7	24563	3	US-09-949-016-13492	Sequence 13492, A	c 797	12	66.7	134008	3	US-09-949-016-13841	Sequence 13841, A
c 725	12	66.7	26050	3	US-09-949-016-17449	Sequence 17449, A	c 798	12	66.7	141115	3	US-09-949-016-17490	Sequence 17490, A
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c 732	12	66.7	29558	3	US-09-949-016-15607	Sequence 15607, A	c 805	12	66.7	190078	3	US-09-949-016-17026	Sequence 17026, A
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c 739	12	66.7	40905	3	US-09-949-016-17225	Sequence 17225, A	c 812	12	66.7	264358	3	US-09-949-016-15725	Sequence 15725, A
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c 747	12	66.7	44608	3	US-09-949-016-15604	Sequence 15604, A	c 820	11	61.1	16	3	US-09-034-205-68	Sequence 68, Appl
c 748	12	66.7	45323	3	US-09-949-016-16142	Sequence 16142, A	c 821	11	61.1	16	3	US-09-677-218B-67	Sequence 67, Appl
c 749	12	66.7	46885	3	US-09-949-016-13848	Sequence 13848, A	c 822	11	61.1	16	3	US-09-677-218B-68	Sequence 68, Appl
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; Sequence 43, Application US/09647344A
; Patent No. 6586180
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.PCT.US
; CURRENT APPLICATION NUMBER: US/09/647,344A
; CURRENT FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; NUMBER OF SEQ ID NOS: 50
; SEQ ID NO 43
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..6-
; OTHER INFORMATION: A portion of an antisense library including a BpmI site.
US-09-647-344A-43

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Best Local Similarity 91.7%; Pred. No. 1.2e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 12 CTGGAGNNNNN 1

RESULT 5
US-08-650-093C-97/c
; Sequence 97, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 97:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 14
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: No
; SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-08-650-093C-97

Query Match      66.7%; Score 12; DB 3; Length 14;
Best Local Similarity 83.3%; Pred. No. 1.2e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCUUGGAG 12
Db 14 GGGGTCCTGGAG 3

RESULT 6
US-08-954-210-39
; Sequence 39, Application US/08954210
; Patent No. 6043077
; GENERAL INFORMATION:
; APPLICANT: Barber, Jack R.
; APPLICANT: Welch, Peter J.
; APPLICANT: Tritz, Richard
; APPLICANT: Yei, Soonpin
; APPLICANT: Yu, Mang
; TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/954,210
; FILING DATE: 20-OCT-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 480124.403C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-954-210-39

Query Match      66.7%; Score 12; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCUUGGAG 12
Db 3 GGGGUCUUGGAG 14

RESULT 7
US-09-431-419A-39
; Sequence 39, Application US/09431419A
; Patent No. 6458567
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; GENERAL INFORMATION:
; APPLICANT: Barber, Jack R.
; APPLICANT: Welch, Peter J.
; APPLICANT: Trittz, Richard
; APPLICANT: Yel, Soongpin
; APPLICANT: Yu, Mang
; TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
; FILE REFERENCE: 480124-403C3
; CURRENT APPLICATION NUMBER: US/09/431,419A
; CURRENT FILING DATE: 1999-11-01
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-09-431-419A-39

Query Match      66.7%; Score 12; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3 GGGGUCCUGGAG 14

RESULT 8
US-10-298-255-4/c
; Sequence 4, Application US/10298255
; Patent No. 6869769
; GENERAL INFORMATION:
; APPLICANT: BURGOWNE, LEIGH A.
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
; FILE REFERENCE: 45858-56064
; CURRENT APPLICATION NUMBER: US/10/298,255
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: 60/336,005
; PRIOR FILING DATE: 2001-11-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-298-255-4

Query Match      66.7%; Score 12; DB 3; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
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Db 16 GGGGTCTCTGGAG 5

RESULT 9
US-09-782-361-14
; Sequence 14, Application US/09782361
; Patent No. 6811974
; GENERAL INFORMATION:
; APPLICANT: Hu, Yu-Wen
; TITLE OF INVENTION: PRIMER-SPECIFIC AND MISPAIR EXTENSION ASSAY FOR IDENTIFYING GEN
; TITLE OF INVENTION: VARIATION
; FILE REFERENCE: 2883-4757US
; CURRENT APPLICATION NUMBER: US/09/782,361
; CURRENT FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 19

; GENERAL INFORMATION:
; APPLICANT: Barber, Jack R.
; APPLICANT: Welch, Peter J.
; APPLICANT: Trittz, Richard
; APPLICANT: Yel, Soongpin
; APPLICANT: Yu, Mang
; TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
; FILE REFERENCE: 480124-403C3
; CURRENT APPLICATION NUMBER: US/09/431,419A
; CURRENT FILING DATE: 1999-11-01
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-09-431-419A-39

Query Match      66.7%; Score 12; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 3 GGGGUCCUGGAG 14

RESULT 8
US-10-298-255-4/c
; Sequence 4, Application US/10298255
; Patent No. 6869769
; GENERAL INFORMATION:
; APPLICANT: BURGOWNE, LEIGH A.
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
; FILE REFERENCE: 45858-56064
; CURRENT APPLICATION NUMBER: US/10/298,255
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: 60/336,005
; PRIOR FILING DATE: 2001-11-15
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
US-10-298-255-4

Query Match      66.7%; Score 12; DB 3; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 16 GGGGTCTCTGGAG 5

RESULT 9
US-09-782-361-14
; Sequence 14, Application US/09782361
; Patent No. 6811974
; GENERAL INFORMATION:
; APPLICANT: Hu, Yu-Wen
; TITLE OF INVENTION: PRIMER-SPECIFIC AND MISPAIR EXTENSION ASSAY FOR IDENTIFYING GEN
; TITLE OF INVENTION: VARIATION
; FILE REFERENCE: 2883-4757US
; CURRENT APPLICATION NUMBER: US/09/782,361
; CURRENT FILING DATE: 2001-02-13
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 14
; LENGTH: 19

; GENERAL INFORMATION:
; APPLICANT: Barber, Jack R.
; APPLICANT: Welch, Peter J.
; APPLICANT: Trittz, Richard
; APPLICANT: Yel, Soongpin
; APPLICANT: Yu, Mang
; TITLE OF INVENTION: HEPATITIS C VIRUS RIBOZYMES
; FILE REFERENCE: 480124-403C3
; CURRENT APPLICATION NUMBER: US/09/431,419A
; CURRENT FILING DATE: 1999-11-01
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 16
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-09-431-419A-39

Query Match      66.7%; Score 12; DB 3; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 2 GGGGTCTCTGGAG 13

RESULT 10
US-08-483-695-22/c
; Sequence 22, Application US/08483695
; Patent No. 5866139
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,695
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
US-08-483-695-22

Query Match      66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:||||
Db 19 GGGGTCTCTGGAG 8
```

```
RESULT 11
US-07-965-285-22/c
; Sequence 22, Application US/07965285
; Patent No. 5879904
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
US-07-965-285-22

Query Match 66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCTGGAG 8
|||||:|||||

RESULT 12
US-08-487-231-22/c
; Sequence 22, Application US/08487231
; Patent No. 5919454
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4400
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
US-07-965-285-22

Query Match 66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCTGGAG 8
|||||:|||||
```

```
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,231
; FILING DATE: 07-JUNE-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/965,285
; FILING DATE: 18-MAR-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 91 06 882
; FILING DATE: 06-JUN-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCE/DOCKET NUMBER: 05286-0001-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
US-08-487-231-22

Query Match 66.7%; Score 12; DB 2; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCTGGAG 8
|||||:|||||

RESULT 13
US-09-201-912-22/c
; Sequence 22, Application US/09201912
; Patent No. 6210962
; GENERAL INFORMATION:
; APPLICANT: Brechot, Christian
; APPLICANT: Kremendorf, Dina
; APPLICANT: Porchon, Colette
; TITLE OF INVENTION: Nucleotide and Peptide Sequences of a
; TITLE OF INVENTION: Hepatitis C Virus Isolate, Diagnostic and Therapeutic
; TITLE OF INVENTION: Applications
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/201,912
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/965,285
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meyers, Kenneth J.
; REGISTRATION NUMBER: 25,146
; REFERENCES/DOCKET NUMBER: 05286-0001-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Other
; DESCRIPTION: DNA probe
; US-09-201-912-22

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 19 GGGGTCTGGAG 8

RESULT 14
US-08-397-220B-38
; Sequence 38, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCES/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488

; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-08-397-220B-39

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGTCTGGAG 12

RESULT 15
US-08-397-220B-39
; Sequence 39, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCES/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488

; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-08-397-220B-39

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
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; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-08-397-220B-38

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 1 GGGGTCTGGAG 12

RESULT 15
US-08-397-220B-39
; Sequence 39, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCES/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488

; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-08-397-220B-39

Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
```

```
Db          ||||:|||||
            3 GGGGTCCTGGAG 14

RESULT 16
US-08-397-220B-40
; Sequence 40, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-08-397-220B-40

Query Match          66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        ||||:|||||
Db      5 GGGGTCCTGGAG 16

RESULT 17
US-08-397-220B-41
; Sequence 41, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
```

```
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/JP93/01293
; FILING DATE: 10-Sep-93
; APPLICATION NUMBER: JP 5-87195
; FILING DATE: 14-Apr-93
; APPLICATION NUMBER: 07/945,289
; FILING DATE: 10-Sep-92
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0031
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-08-397-220B-41

Query Match          66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        ||||:|||||
Db      7 GGGGTCCTGGAG 18

RESULT 18
US-08-397-220B-44
; Sequence 44, Application US/08397220B
; Patent No. 6284458
; GENERAL INFORMATION:
; APPLICANT: Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment
; Of Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 98
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jane Massey Licata, Esq.
; STREET: 210 Lake Drive East, Suite 201
; CITY: Cherry Hill
; STATE: NJ
; COUNTRY: USA
; ZIP: 08002
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM 486
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/397,220B
; FILING DATE: 09-Mar-1995
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
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; APPLICATION NUMBER: PCT/JP93/01293  
; FILING DATE: 10-Sep-93  
; APPLICATION NUMBER: JP 5-87195  
; FILING DATE: 14-Apr-93  
; APPLICATION NUMBER: 07/945,289  
; FILING DATE: 10-Sep-92  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane Massey Licata  
; REGISTRATION NUMBER: 32,257  
; REFERENCE/DOCKET NUMBER: ISPH-0031  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (609) 779-2400  
; TELEFAX: (609) 779-8488  
; INFORMATION FOR SEQ ID NO: 44:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20  
; TYPE: nucleic acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; ANTI-SENSE: Yes  
; SEQUENCE DESCRIPTION: SEQ ID NO: 44:  
US-08-397-220B-44

Query Match 66.7%; Score 12; DB 3; Length 20;  
Best Local Similarity 83.3%; Pred. NO. 1.1e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
Db 9 GGGGTCCTGGAG 20

RESULT 19  
US-08-650-093C-38  
; Sequence 38, Application US/08650093C  
; Patent No. 6391542  
; GENERAL INFORMATION:  
; APPLICANT: Kevin P. Anderson et al.  
; TITLE OF INVENTION: Compositions And Methods For Treatment Of  
; Hepatitis C Virus-Associated Diseases  
; NUMBER OF SEQUENCES: 118  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LICATA & TYRRELL P.C.  
; STREET: 66 E. Main Street  
; CITY: Marlton  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 08053  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: WORDPERFECT 6.1 for Windows  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/650,093C  
; FILING DATE: 17-May-1996  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/452,841  
; FILING DATE: May 30, 1995  
; APPLICATION NUMBER: 08/397,220  
; FILING DATE: March 9, 1995  
; APPLICATION NUMBER: 07/945,289  
; FILING DATE: September 10, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane Massey Licata  
; REGISTRATION NUMBER: 32,257  
; REFERENCE/DOCKET NUMBER: ISPH-  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (609) 779-2400  
; TELEFAX: (609) 779-8488  
; INFORMATION FOR SEQ ID NO: 38:  
; SEQUENCE CHARACTERISTICS:

; LENGTH: 20  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; ANTI-SENSE: Yes  
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:  
US-08-650-093C-38

Query Match 66.7%; Score 12; DB 3; Length 20;  
Best Local Similarity 83.3%; Pred. NO. 1.1e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGTCCTGGAG 12

RESULT 20  
US-08-650-093C-39  
; Sequence 39, Application US/08650093C  
; Patent No. 6391542  
; GENERAL INFORMATION:  
; APPLICANT: Kevin P. Anderson et al.  
; TITLE OF INVENTION: Compositions And Methods For Treatment Of  
; Hepatitis C Virus-Associated Diseases  
; NUMBER OF SEQUENCES: 118  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LICATA & TYRRELL P.C.  
; STREET: 66 E. Main Street  
; CITY: Marlton  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 08053  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows 95  
; SOFTWARE: WORDPERFECT 6.1 for Windows  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/650,093C  
; FILING DATE: 17-May-1996  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/452,841  
; FILING DATE: May 30, 1995  
; APPLICATION NUMBER: 08/397,220  
; FILING DATE: March 9, 1995  
; APPLICATION NUMBER: 07/945,289  
; FILING DATE: September 10, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane Massey Licata  
; REGISTRATION NUMBER: 32,257  
; REFERENCE/DOCKET NUMBER: ISPH-  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (609) 779-2400  
; TELEFAX: (609) 779-8488  
; INFORMATION FOR SEQ ID NO: 39:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; ANTI-SENSE: Yes  
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:  
US-08-650-093C-39

Query Match 66.7%; Score 12; DB 3; Length 20;  
Best Local Similarity 83.3%; Pred. NO. 1.1e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
Db 3 GGGGTCCTGGAG 14

```
RESULT 21
US-08-650-093C-40
; Sequence 40, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 40:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 40:
US-08-650-093C-40
Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 5 GGGGTCTCGGAG 16

RESULT 22
US-08-650-093C-41
; Sequence 41, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
```

```
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-08-650-093C-41
Query Match 66.7%; Score 12; DB 3; Length 20;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGTCTCGGAG 18

RESULT 23
US-08-650-093C-44
; Sequence 44, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
```

; APPLICATION NUMBER: 08/397,220  
; FILING DATE: March 9, 1995  
; APPLICATION NUMBER: 07/945,289  
; FILING DATE: September 10, 1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane Massey Licata  
; REGISTRATION NUMBER: 32,257  
; REFERENCE/DOCKET NUMBER: ISPH-  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (609) 779-2400  
; TELEFAX: (609) 779-8488  
; INFORMATION FOR SEQ ID NO: 44:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; ANTI-SENSE: Yes  
; SEQUENCE DESCRIPTION: SEQ ID NO: 44:  
US-08-650-093C-44

Query Match 66.7%; Score 12; DB 3; Length 20;  
Best Local Similarity 83.3%; Pred. No. 1.1e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 9 GGGGTCTGGAG 20

RESULT 24  
US-09-647-344A-49/c  
; Sequence 49, Application US/09647344A  
; Patent No. 6586180  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.PCT.US  
; CURRENT APPLICATION NUMBER: US/09/647,344A  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; NUMBER OF SEQ ID NOS: 50  
; SEQ ID NO 49  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..14  
; OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a por  
US-09-647-344A-49

Query Match 66.7%; Score 12; DB 3; Length 20;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 20 CTGGAGNNNNN 9

RESULT 25  
US-10-259-275-7/c  
; Sequence 7, Application US/10259275  
; Patent No. 6921634  
; GENERAL INFORMATION:  
; APPLICANT: Lemon, Stanley M.  
; APPLICANT: Yi, Minkyung  
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE  
; FILE REFERENCE: 265.0007 0120

; CURRENT APPLICATION NUMBER: US/10/259,275  
; CURRENT FILING DATE: 2003-01-13  
; PRIOR APPLICATION NUMBER: US 60/171,909  
; PRIOR FILING DATE: 1999-12-23  
; PRIOR APPLICATION NUMBER: US 09/747,419  
; PRIOR FILING DATE: 2000-12-23  
; PRIOR APPLICATION NUMBER: US 60/325,236  
; PRIOR FILING DATE: 2001-09-27  
; PRIOR APPLICATION NUMBER: US 60/338,123  
; PRIOR FILING DATE: 2001-11-13  
; NUMBER OF SEQ ID NOS: 73  
; SOFTWARE: Patent in version 3.0  
; SEQ ID NO 7  
; LENGTH: 21  
; TYPE: DNA  
; ORGANISM: artificial  
; FEATURE:  
; OTHER INFORMATION: Red probe  
; FEATURE:  
; NAME/KEY: misc difference  
; LOCATION: (1)-(1)  
; OTHER INFORMATION: LC640 labeled  
US-10-259-275-7

Query Match 66.7%; Score 12; DB 3; Length 21;  
Best Local Similarity 83.3%; Pred. No. 1.1e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 21 GGGGTCTGGAG 10

RESULT 26  
US/09/647/c  
; Sequence 38, Application US/09647344A  
; Patent No. 6586180  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.PCT.US  
; CURRENT APPLICATION NUMBER: US/09/647,344A  
; CURRENT FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; NUMBER OF SEQ ID NOS: 50  
; SEQ ID NO 38  
; LENGTH: 22  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 1..16  
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, i  
US/09/647,344A-38

Query Match 66.7%; Score 12; DB 3; Length 22;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 22 CTGGAGNNNNN 11

RESULT 27  
US-09-906-768A-9  
; Sequence 9, Application US/09906768A  
; Patent No. 6893854  
; GENERAL INFORMATION:  
; APPLICANT: Fermentas AB



;; TITLE OF INVENTION: Nuclease  
;; FILE REFERENCE: 068800-0281532  
;; CURRENT APPLICATION NUMBER: US/09/906,768A  
;; CURRENT FILING DATE: 2001-07-18  
;; PRIOR APPLICATION NUMBER: GB 0019744.2  
;; PRIOR FILING DATE: 2000-08-10  
;; NUMBER OF SEQ ID NOS: 51  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 9  
;; LENGTH: 22  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Restriction endonuclease recognition sequence  
;; FEATURE:  
;; NAME/KEY: misc\_binding  
;; LOCATION: (1)..(22)  
;; OTHER INFORMATION: Recognition sequence of GsuI  
;; FEATURE:  
;; NAME/KEY: misc\_feature  
;; LOCATION: (7)..(22)  
;; OTHER INFORMATION: n is A, C, G or T  
US-09-906-768A-9

Query Match 66.7%; Score 12; DB 3; Length 22;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18  
|:|||||  
Db 1 CTGGAGNNNNNN 12

## RESULT 28

US-10-053-883-111  
;; Sequence 111, Application US/10053883  
;; Patent No. 6958217  
;; GENERAL INFORMATION:  
;; APPLICANT: PEDERSEN, Morten Lorentz  
;; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION  
;; FILE REFERENCE: PEDERSEN-1A  
;; CURRENT APPLICATION NUMBER: US/10/053,883  
;; CURRENT FILING DATE: 2002-01-02  
;; PRIOR APPLICATION NUMBER: PA 2001 00126  
;; PRIOR FILING DATE: 2001-01-24  
;; PRIOR APPLICATION NUMBER: US 60/267,704  
;; PRIOR FILING DATE: 2001-02-12  
;; NUMBER OF SEQ ID NOS: 148  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 111  
;; LENGTH: 23  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: synthetic  
;; FEATURE:  
;; NAME/KEY: misc\_feature  
;; LOCATION: (7)..(23)  
;; OTHER INFORMATION: n is a, c, g or t  
US-10-053-883-111

Query Match 66.7%; Score 12; DB 3; Length 23;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18  
|:|||||  
Db 1 CTGGAGNNNNNN 12

## RESULT 29

US-10-053-883-112/c  
;; Sequence 112, Application US/10053883

;; Patent No. 6958217  
;; GENERAL INFORMATION:  
;; APPLICANT: PEDERSEN, Morten Lorentz  
;; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION  
;; FILE REFERENCE: PEDERSEN-1A  
;; CURRENT APPLICATION NUMBER: US/10/053,883  
;; CURRENT FILING DATE: 2002-01-02  
;; PRIOR APPLICATION NUMBER: PA 2001 00126  
;; PRIOR FILING DATE: 2001-01-24  
;; PRIOR APPLICATION NUMBER: US 60/267,704  
;; PRIOR FILING DATE: 2001-02-12  
;; NUMBER OF SEQ ID NOS: 148  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 112  
;; LENGTH: 23  
;; TYPE: DNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: synthetic  
;; FEATURE:  
;; NAME/KEY: misc\_feature  
;; LOCATION: (1)..(17)  
;; OTHER INFORMATION: n is a, c, g or t  
US-10-053-883-112

Query Match 66.7%; Score 12; DB 3; Length 23;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18  
|:|||||  
Db 23 CTGGAGNNNNNN 12

## RESULT 30

US-08-639-080-22  
;; Sequence 22, Application US/08639080  
;; Patent No. 5843661  
;; GENERAL INFORMATION:  
;; APPLICANT: Rothemund, Paul W.K.  
;; TITLE OF INVENTION: METHOD FOR CONSTRUCTING UNIVERSAL DNA  
;; TITLE OF INVENTION: BASED MOLECULAR TURING MACHINE  
;; NUMBER OF SEQUENCES: 31  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Fish & Richardson P.C.  
;; STREET: 4225 Executive Square, Ste 1400  
;; CITY: La Jolla  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 92037  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/639,080  
;; FILING DATE: April 24, 1996  
;; CLASSIFICATION: 536  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Harris, Scott C.  
;; REGISTRATION NUMBER: 32,030  
;; REFERENCE/DOCKET NUMBER: 06618/129001  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (619) 678-5070  
;; TELEFAX: (619) 678-5099  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 22:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 24 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: oligonucleotide  
; FEATURE:  
; LOCATION: 7-24  
; OTHER INFORMATION: where N at positions 6-13 can be adenine,  
; OTHER INFORMATION: guanine, cytosine, thymine or uracil  
US-08-639-080-22

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 1 CTGGAGNNNNN 12

RESULT 31  
US/09/647/c

; Sequence 39, Application US/09647344A  
; Patent No. 6586180  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.PCT.US  
; CURRENT APPLICATION NUMBER: US/09/647,344A  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; NUMBER OF SEQ ID NOS: 50  
; SEQ ID NO 39  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 6..19  
; OTHER INFORMATION: 14 bp variable sequence fragment of a deletion library including  
US/09/647,344A-39

Query Match 66.7%; Score 12; DB 3; Length 25;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 25 CTGGAGNNNNN 14

RESULT 32  
US-09-647-344A-47/c

; Sequence 47, Application US/09647344A  
; Patent No. 6586180  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.PCT.US  
; CURRENT APPLICATION NUMBER: US/09/647,344A  
; CURRENT FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; NUMBER OF SEQ ID NOS: 50  
; SEQ ID NO 47  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 14..19

; OTHER INFORMATION: Sequence flanking the chloramphenicol (CAT) gene after insertion  
; Patent No. 6586180  
US-09-647-344A-47

Query Match 66.7%; Score 12; DB 3; Length 25;  
Best Local Similarity 91.7%; Pred. No. 1.1e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 25 CTGGAGNNNNN 14

RESULT 33

US-08-397-220B-98/c  
; Sequence 98, Application US/08397220B  
; Patent No. 6284458  
; GENERAL INFORMATION:  
; APPLICANT: Anderson et al.  
; TITLE OF INVENTION: Compositions And Methods For Treatment  
; OF Hepatitis C Virus-Associated Diseases  
; NUMBER OF SEQUENCES: 98  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Jane Massey Licata, Esq.  
; STREET: 210 Lake Drive East, Suite 201  
; CITY: Cherry Hill  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 08002  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
; COMPUTER: IBM 486  
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
; SOFTWARE: WORDPERFECT 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/397,220B  
; FILING DATE: 09-Mar-1995  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/JP93/01293  
; FILING DATE: 10-Sep-93  
; APPLICATION NUMBER: JP 5-87195  
; FILING DATE: 14-Apr-93  
; APPLICATION NUMBER: 07/945,289  
; FILING DATE: 10-Sep-92  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Jane Massey Licata  
; REGISTRATION NUMBER: 32,257  
; REFERENCE/DOCKET NUMBER: ISPH-0031  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (609) 779-2400  
; TELEFAX: (609) 779-8488  
; INFORMATION FOR SEQ ID NO: 98:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 26  
; TYPE: nucleic acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; ANTI-SENSE: No  
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:  
US-08-397-220B-98

Query Match 66.7%; Score 12; DB 3; Length 26;  
Best Local Similarity 83.3%; Pred. No. 1.1e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|:|||||  
Db 20 GGGGTCCTGGAG 9

RESULT 34  
US-08-650-093C-98/c

```
; Sequence 98, Application US/08650093C
; Patent No. 6391542
; GENERAL INFORMATION:
; APPLICANT: Kevin P. Anderson et al.
; TITLE OF INVENTION: Compositions And Methods For Treatment Of
; Hepatitis C Virus-Associated Diseases
; NUMBER OF SEQUENCES: 118
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LICATA & TYRRELL P.C.
; STREET: 66 E. Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: WORDPERFECT 6.1 for Windows
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,093C
; FILING DATE: 17-May-1996
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/452,841
; FILING DATE: May 30, 1995
; APPLICATION NUMBER: 08/397,220
; FILING DATE: March 9, 1995
; APPLICATION NUMBER: 07/945,289
; FILING DATE: September 10, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 779-8488
; INFORMATION FOR SEQ ID NO: 98:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: No
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-08-650-093C-98

Query Match 66.7%; Score 12; DB 3; Length 26;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 20 GGGGTCCTGGAG 9
|||||:|||||

RESULT 35
US-10-053-883-12
; Sequence 12, Application US/10053883
; Patent No. 6958217
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN=1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
; SEQUENCE CHARACTERISTICS:
; LENGTH: 26
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: No
; SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-08-650-093C-98

Query Match 66.7%; Score 12; DB 3; Length 26;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 20 GGGGTCCTGGAG 9
|||||:|||||

RESULT 35
US-10-053-883-12
; Sequence 12, Application US/10053883
; Patent No. 6958217
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN=1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 12
```

```
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)..(27)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-12

Query Match 66.7%; Score 12; DB 3; Length 27;
Best Local Similarity 91.7%; Pred. No. 1.1e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
Db 5 CTGGAGNNNNNN 16
|:|||||:|||||

RESULT 36
US-10-053-883-13/c
; Sequence 13, Application US/10053883
; Patent No. 6958217
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN=1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc_feature
; LOCATION: (1)..(17)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-13

Query Match 66.7%; Score 12; DB 3; Length 27;
Best Local Similarity 91.7%; Pred. No. 1.1e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18
Db 23 CTGGAGNNNNNN 12
|:|||||:|||||

RESULT 37
US-08-240-547-7/c
; Sequence 7, Application US/08240547
; Patent No. 5527669
; GENERAL INFORMATION:
; APPLICANT: Resnick, Robert M.
; APPLICANT: Young, Karen K.Y.
; TITLE OF INVENTION: Primers and Probes for Detection of
; Hepatitis C and No. 5527669el Variants
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hoffmann-La Roche Inc.
; STREET: 340 Kingsland Street
; CITY: Nutley
; STATE: NJ
; COUNTRY: U.S.A.
```

```
; ZIP: 07110-1199
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/240,547
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/918,844
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sias Ph.D., Stacey R.
; REGISTRATION NUMBER: 32,630
; REFERENCE/DOCKET NUMBER: 8586
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 814-2863
; TELEFAX: (510) 814-2977
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 30 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-240-547-7
```

```
Query Match 66.7%; Score 12; DB 2; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 13 GGGGTCCTGGAG 2
```

```
RESULT 38
US-09-935-338-192/c
; Sequence 192, Application US/09935338
; Patent No. 6951722
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; APPLICANT: MIYAKE, Kazue
; APPLICANT: SATO, Yoshimi
; APPLICANT: MORIYAMA, Mariko
; APPLICANT: SAWARAGI, Haruhisa
; APPLICANT: HAGIYA, Michio
; APPLICANT: ASADA, Kiyozo
; APPLICANT: KATO, Ikunoshin
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/09/935,338
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: JP11-076966
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: JP11-370035
; PRIOR FILING DATE: 1999-12-27
; PRIOR APPLICATION NUMBER: JP2000-251981
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: JP2000-284419
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: JP2000-288750
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: JP2001-104191
```

```
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: PCT/JP00/01534
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 192
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Designed oligonucleotide probe to detect a DNA fragment amplifying
; OTHER INFORMATION: portion of HCV.
US-09-935-338-192
```

```
Query Match 66.7%; Score 12; DB 3; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 30 GGGGTCCTGGAG 19
```

```
RESULT 39
US-08-530-492-66/c
; Sequence 66, Application US/08530492
; Patent No. 5689052
; GENERAL INFORMATION:
; APPLICANT: Brown, Sherri M.
; APPLICANT: Dean, Duff A.
; APPLICANT: Fromm, Michael E.
; APPLICANT: Sanders, Patricia R.
; TITLE OF INVENTION: Synthetic DNA Sequences Having Enhanced
; TITLE OF INVENTION: Expression in Monocotyledonous Plants and Method For
; NUMBER OF SEQUENCES: 164
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dennis R. Hoerner, Jr., Monsanto Co. BB4F
; STREET: 700 Chesterfield Parkway No. 5689052th
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/530,492
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/172,333
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10605)A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 66:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 39 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (synthetic)
US-08-530-492-66
```

```
Query Match 66.7%; Score 12; DB 2; Length 39;
Best Local Similarity 83.3%; Pred. No. 1e+03;
```

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 20 GGGGTCTTGAG 9

## RESULT 40

US-08-906-517-66/c  
; Sequence 66, Application US/08906517  
; Patent No. 6180774

## GENERAL INFORMATION:

; APPLICANT: Brown, Sherri M.  
; APPLICANT: Dean, Duif A.  
; APPLICANT: Fromm, Michael B.  
; APPLICANT: Sanders, Patricia R.

; TITLE OF INVENTION: Synthetic DNA Sequences Having Enhanced

; TITLE OF INVENTION: Expression in Monocotyledonous Plants and Method For

; TITLE OF INVENTION: Preparation Thereof

; NUMBER OF SEQUENCES: 164

## CORRESPONDENCE ADDRESS:

; ADDRESSEE: Arnold, White & Durkee

; STREET: P.O. Box 4433

; CITY: Houston

; STATE: TX

; COUNTRY: USA

; ZIP: 77210-4433

## COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.30

## CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/906,517

; FILING DATE: Concurrently Herewith

## CLASSIFICATION: 435

## ATTORNEY/AGENT INFORMATION:

; NAME: Kitchell, Barbara S.

; REGISTRATION NUMBER: 33,928

; REFERENCE/DOCKET NUMBER: MORT:170

## TELECOMMUNICATION INFORMATION:

; TELEPHONE: 512-418-3000

; TELEFAX: 512-474-7577

## INFORMATION FOR SEQ ID NO: 66:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 39 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

US-08-906-517-66

Query Match 66.7%; Score 12; DB 3; Length 39;

Best Local Similarity 83.3%; Pred. No. 1e+03;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 20 GGGGTCTTGAG 9

## RESULT 41

US-08-647-344A-48/c

; Sequence 48, Application US/09647344A

; Patent No. 6586180

## GENERAL INFORMATION:

; APPLICANT: Ruffner, Duane E.

; APPLICANT: Pierce, Michael L.

; APPLICANT: Chen, Zhidong

; TITLE OF INVENTION: Directed Antisense Libraries

; FILE REFERENCE: T6678.PCT.US

; CURRENT APPLICATION NUMBER: US/09/647,344A

; CURRENT FILING DATE: 2000-12-04

; PRIOR APPLICATION NUMBER: PCT/US99/06742

; PRIOR FILING DATE: 1999-03-28  
; NUMBER OF SEQ ID NOS: 50  
; SEQ ID NO 48  
; LENGTH: 46  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: 6..12 and 35..40  
; OTHER INFORMATION: Hammerhead ribozyme library with flanking sequences.

US-09-647-344A-48

Query Match 66.7%; Score 12; DB 3; Length 46;

Best Local Similarity 91.7%; Pred. No. 1e+03;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18  
|-:|||||  
Db 46 CTGGAGNNNNNN 35

## RESULT 42

US-09-422-978-2597

; Sequence 2597, Application US/09422978

; Patent No. 6537751

## GENERAL INFORMATION:

; APPLICANT: Cohen, Daniel

; APPLICANT: Blumenfeld, Marta

; APPLICANT: Chumakov, Ilya

; TITLE OF INVENTION: Biallelic markers for use in constructing a high density....

; FILE REFERENCE: GENSET.020CPI

; CURRENT APPLICATION NUMBER: US/09/422,978

; CURRENT FILING DATE: 1999-10-20

; EARLIER APPLICATION NUMBER: US 09/298,850

; EARLIER FILING DATE: 1999-04-21

; EARLIER APPLICATION NUMBER: US 60/109,732

; EARLIER FILING DATE: 1998-11-23

; EARLIER APPLICATION NUMBER: US 60/082,614

; EARLIER FILING DATE: 1998-04-21

; NUMBER OF SEQ ID NOS: 11796

; SEQ ID NO 2597

; LENGTH: 47

; TYPE: DNA

; ORGANISM: Homo Sapiens

; FEATURE:

; NAME/KEY: allele

; LOCATION: 24

; OTHER INFORMATION: 99-1211-59 : polymorphic base C or T

US-09-422-978-2597

Query Match 66.7%; Score 12; DB 3; Length 47;

Best Local Similarity 83.3%; Pred. No. 1e+03;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 25 GGGGTCTTGAG 36

## RESULT 43

US-09-621-976-10142

; Sequence 10142, Application US/09621976

; Patent No. 6639063

## GENERAL INFORMATION:

; APPLICANT: Dumas Milne Edwards, J.B.

; APPLICANT: Jobert, S.

; APPLICANT: Giordano, J.Y.

; TITLE OF INVENTION: ESTs and Encoded Human Proteins.

; FILE REFERENCE: GENSET.054PR2

; CURRENT APPLICATION NUMBER: US/09/621,976

; CURRENT FILING DATE: 2000-07-21

; NUMBER OF SEQ ID NOS: 19335

; SOFTWARE: Patent.pm

; SEQ ID NO 10142  
; LENGTH: 61  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 6  
; OTHER INFORMATION: n=a, g, c or t  
US-09-621-976-10142

Query Match 66.7%; Score 12; DB 3; Length 61;  
Best Local Similarity 83.3%; Pred. No. 9.9e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
Db 29 GGGGTCTGGAG 40

## RESULT 44

US-09-899-082B-106/c  
; Sequence 106, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 106  
; LENGTH: 109  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-106

Query Match 66.7%; Score 12; DB 3; Length 109;  
Best Local Similarity 83.3%; Pred. No. 9.3e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
Db 26 GGGGTCTGGAG 15

## RESULT 45

US-09-899-082B-107/c  
; Sequence 107, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568

; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 107  
; LENGTH: 109  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-107

Query Match 66.7%; Score 12; DB 3; Length 109;  
Best Local Similarity 83.3%; Pred. No. 9.3e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
Db 26 GGGGTCTGGAG 15

## RESULT 46

US-08-474-700B-41  
; Sequence 41, Application US/08474700B  
; Patent No. 6001990  
; GENERAL INFORMATION:  
; APPLICANT: Wands, Jack  
; APPLICANT: Wakita, Takaji  
; APPLICANT: Moradpour, Darius  
; TITLE OF INVENTION: ANTISENSE INHIBITION OF HEPATITIS C  
; TITLE OF INVENTION: VIRUS  
; NUMBER OF SEQUENCES: 45  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson P.C.  
; STREET: 225 Franklin Street  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: U.S.A.  
; ZIP: 02110-2804  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb  
; COMPUTER: IBM PS/2 Model 50Z or 55SX  
; OPERATING SYSTEM: MS-DOS (Version 5.0)  
; SOFTWARE: WordPerfect (Version 5.1)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/474,700B  
; FILING DATE: 07-JUN-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/240,382  
; FILING DATE: 10 May 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Fraser, Janis K.  
; REGISTRATION NUMBER: 34,819  
; REFERENCE/DOCKET NUMBER: 00786/279001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 542-5070  
; TELEFAX: (617) 542-8906  
; TELEX: 200154  
; INFORMATION FOR SEQ ID NO: 41:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 155 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
US-08-474-700B-41

Query Match 66.7%; Score 12; DB 3; Length 155;  
Best Local Similarity 83.3%; Pred. No. 9e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 33 GGGGTCTGGAG 44

## RESULT 47

US-08-256-568B-61/c  
; Sequence 61, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256,568B  
; FILING DATE: 18-JUL-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 61:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: be82 (also referred to as be99)  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-08-256-568B-61

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15

## RESULT 48

US-08-256-568B-67/c  
; Sequence 67, Application US/08256568B

; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256,568B  
; FILING DATE: 18-JUL-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 67:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb48  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-08-256-568B-67

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15

## RESULT 49

US-08-256-568B-68/c  
; Sequence 68, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN

STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb116  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-08-256-568B-68

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTCGGAG 15

RESULT 50  
US-08-256-568B-69/c  
Sequence 69, Application US/08256568B  
Patent No. 5846704  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 69:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb569  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-08-256-568B-69

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTCGGAG 15

RESULT 51  
US-08-256-568B-70/c  
Sequence 70, Application US/08256568B  
Patent No. 5846704  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:



APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 70:  
LENGTH: 177 base pairs  
SEQUENCE CHARACTERISTICS:  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb358  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-08-256-568B-70

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
DB 26 GGGGTCCTGGAG 15

## RESULT 52

US-08-256-568B-72/c  
Sequence 72, Application US/08256568B  
Patent No. 5846704  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 72:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: cam500  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-08-256-568B-72

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
DB 26 GGGGTCCTGGAG 15

## RESULT 53

US-08-256-568B-73/c  
Sequence 73, Application US/08256568B  
Patent No. 5846704  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 73:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

; MOLECULE TYPE: cdna  
; IMMEDIATE SOURCE:  
; CLONE: cam736  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-08-256-568B-73

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGTCTGGAG 15

## RESULT 54

US-08-256-568B-74/c  
; Sequence 74, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 74:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: gb809  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-08-256-568B-74

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGTCTGGAG 15

## RESULT 55

US-08-256-568B-75/c  
; Sequence 75, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 75:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: gb487  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-08-256-568B-75

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGTCTGGAG 15

RESULT 56  
US-08-256-568B-76/c

; Sequence 76, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256,568B  
; FILING DATE: 18-JUL-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 76:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb724  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-08-256-568B-76

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 26 GGGGTCTCTGGAG 15

RESULT 57  
US-08-256-568B-77/c  
; Sequence 77, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256,568B  
; FILING DATE: 18-JUL-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; LIBRARY: be97  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-08-256-568B-77

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 26 GGGGTCTCTGGAG 15

RESULT 58  
US-08-256-568B-78/c  
; Sequence 78, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 78:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: be95  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-08-256-568B-78

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTCGGAG 15

RESULT 59  
US-08-256-568B-79/c  
Sequence 79, Application US/08256568B  
Patent No. 5846704  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 79:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: be96  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-08-256-568B-79

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTCGGAG 15

RESULT 60  
US-08-256-568B-80/c  
Sequence 80, Application US/08256568B  
Patent No. 5846704  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/256,568B  
FILING DATE: 18-JUL-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683

; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 80:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; IMMEDIATE SOURCE:  
; CLONE: be98  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-08-256-568B-80

Query Match 66.7%; Score 12; DB 2; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

## RESULT 61

US-09-038-369B-61/c  
; Sequence 61, Application US/09038369B  
; Patent No. 6171784  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/038,369B  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 61:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs

; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; IMMEDIATE SOURCE:  
; CLONE: be82 (also referred to as be99)  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-038-369B-61

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

## RESULT 62

US-09-038-369B-67/c  
; Sequence 67, Application US/09038369B  
; Patent No. 6171784  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/038,369B  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 67:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; IMMEDIATE SOURCE:  
; CLONE: 9b48  
; POSITION IN GENOME:

;  
US-09-038-369B-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 63

US-09-038-369B-68/c  
; Sequence 68, Application US/09038369B

; Patent No. 6171784

; GENERAL INFORMATION:

; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO

; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV

; TITLE OF INVENTION: ISOLATES

; NUMBER OF SEQUENCES: 97

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN & MUSERLIAN

; STREET: 600 THIRD AVENUE

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10016

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/038,369B

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/256,568

; FILING DATE: 18-JUL-1994

; APPLICATION NUMBER: PCT/EP93/03325

; FILING DATE: 26-NOV-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/93/402,129.6

; FILING DATE: 31-AUG-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/92/403,222.0

; FILING DATE: 27-NOV-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: CHARLES A. MUSERLIAN

; REGISTRATION NUMBER: 19,683

; REFERENCE/DOCKET NUMBER: 410.004

; TELEPHONE: (212) 661-8000

; TELEFAX: (212) 661-8002

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 177 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; IMMEDIATE SOURCE:

; CLONE: gb116

; POSITION IN GENOME:

; MAP POSITION: 5' untranslated region

US-09-038-369B-68

## Query Match

66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 8.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels

0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 64

US-09-038-369B-69/c

; Sequence 69, Application US/09038369B

; Patent No. 6171784

; GENERAL INFORMATION:

; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO

; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV

; TITLE OF INVENTION: ISOLATES

; NUMBER OF SEQUENCES: 97

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN & MUSERLIAN

; STREET: 600 THIRD AVENUE

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10016

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: ASCII

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/038,369B

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/256,568

; FILING DATE: 18-JUL-1994

; APPLICATION NUMBER: PCT/EP93/03325

; FILING DATE: 26-NOV-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/93/402,129.6

; FILING DATE: 31-AUG-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/92/403,222.0

; FILING DATE: 27-NOV-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: CHARLES A. MUSERLIAN

; REGISTRATION NUMBER: 19,683

; REFERENCE/DOCKET NUMBER: 410.004

; TELEPHONE: (212) 661-8000

; TELEFAX: (212) 661-8002

; INFORMATION FOR SEQ ID NO: 69:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 177 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; IMMEDIATE SOURCE:

; CLONE: gb569

; POSITION IN GENOME:

; MAP POSITION: 5' untranslated region

US-09-038-369B-69

## Query Match

66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 8.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels

0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 65

US-09-038-369B-70/c

```
; Sequence 70, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 70:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: gb358
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-09-038-3698-70
;
; Query Match 66.7%; Score 12; DB 3; Length 177;
; Best Local Similarity 83.3%; Pred. No. 8.8e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 GGGGUCCUGGAG 12
; Db 26 GGGGTCCTGGAG 15
;
; RESULT 66
; US-09-038-3698-72/c
; Sequence 72, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
```

```
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 72:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam600
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-09-038-369B-72
;
; Query Match 66.7%; Score 12; DB 3; Length 177;
; Best Local Similarity 83.3%; Pred. No. 8.8e+02;
; Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 GGGGUCCUGGAG 12
; Db 26 GGGGTCCTGGAG 15
;
; RESULT 67
; US-09-038-369B-73/c
; Sequence 73, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
```

ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/038,369B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 73:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: cam736  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-038-369B-73

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

RESULT 68  
US-09-038-369B-74/c  
Sequence 74, Application US/09038369B  
Patent No. 6171784  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/038,369B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 74:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: 9b809  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-038-369B-74

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

RESULT 69  
US-09-038-369B-75/c  
Sequence 75, Application US/09038369B  
Patent No. 6171784  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/038,369B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325



;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA: EP/93/402,129.6  
;; APPLICATION NUMBER: 19,683  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 75:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: gb487  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
US-09-038-369B-75

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12  
DB 26 GGGGTCTCGAG 15  
||||:|||||

RESULT 70  
US-09-038-369B-76/c  
;; Sequence 76, Application US/09038369B  
;; Patent No. 6171784  
;; GENERAL INFORMATION:  
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
;; TITLE OF INVENTION: ISOLATES  
;; NUMBER OF SEQUENCES: 97  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/038,369B  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992

;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 76:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: gb724  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
US-09-038-369B-76

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12  
DB 26 GGGGTCTCGAG 15  
||||:|||||

RESULT 71  
US-09-038-369B-77/c  
;; Sequence 77, Application US/09038369B  
;; Patent No. 6171784  
;; GENERAL INFORMATION:  
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
;; TITLE OF INVENTION: ISOLATES  
;; NUMBER OF SEQUENCES: 97  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/038,369B  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002

;  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; LIBRARY: be97  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-038-369B-77

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15  
||||:||||

RESULT 72  
US-09-038-369B-78/c  
; Sequence 78, Application US/09038369B  
; Patent No. 6171784  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/038,369B  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 78:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA

;  
; IMMEDIATE SOURCE:  
; CLONE: be95  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-038-369B-78

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15  
||||:||||

RESULT 73  
US-09-038-369B-79/c  
; Sequence 79, Application US/09038369B  
; Patent No. 6171784  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/038,369B  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 79:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: be96  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-038-369B-79

Query Match 66.7%; Score 12; DB 3; Length 177;

```
Best Local Similarity 83.3%; Pred. No. 8.8e+02; Mismatches 2; Indels 0; Gaps 0;
Matches 10; Conservative 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGGAG 15

RESULT 74
US-09-038-369B-80/c
; Sequence 80, Application US/09038369B
; Patent No. 6171784
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/038,369B
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be98
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-038-369B-80
Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGGAG 15

RESULT 76
US-09-038-900A-67/c
; Sequence 67, Application US/09378900A
; Patent No. 6495670
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
```

APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 67:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: 9b48  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-09-378-900A-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15  
||||:|||||

RESULT 77  
US-09-378-900A-68/c  
Sequence 68, Application US/09378900A  
Patent No. 6495670  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE

CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: 9b116  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-09-378-900A-68

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15  
||||:|||||

RESULT 78  
US-09-378-900A-69/c  
Sequence 69, Application US/09378900A  
Patent No. 6495670  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible



;  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 72:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: cam600  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-378-900A-72

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15  
||||:|||||

RESULT 81  
US-09-378-900A-73/c  
; Sequence 73, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004

;  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 73:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: cam736  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-378-900A-73

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15  
||||:|||||

RESULT 82  
US-09-378-900A-74/c  
; Sequence 74, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 74:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid

; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb809  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-378-900A-74

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 83  
US-09-378-900A-75/c  
; Sequence 75, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900A  
; FILING DATE:

CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410,004  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 75:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb487  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region

US-09-378-900A-75

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 84  
US-09-378-900A-76/c  
; Sequence 76, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410,004  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 76:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb724  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-378-900A-76

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

Db 26 GGGGTCCTGGAG 15  
||||:|:|:|

RESULT 85  
US-09-378-900A-77/c  
; Sequence 77, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; LIBRARY: be97  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-378-900A-77

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 26 GGGGTCCTGGAG 15

RESULT 86  
US-09-378-900A-78/c  
; Sequence 78, Application US/09378900A

; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 78:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: be95  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-378-900A-78

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 26 GGGGTCCTGGAG 15

RESULT 87  
US-09-378-900A-79/c  
; Sequence 79, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97



;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/378,900A  
;; FILING DATE:  
;;  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;;  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 79:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: be96  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
;;  
US-09-378-900A-79

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTTGAG 15

RESULT 88  
US-09-378-900A-80/c  
; Sequence 80, Application US/09378900A  
; Patent No. 6495670  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/378,900A  
;; FILING DATE:  
;;  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;;  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 80:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: be98  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
;;  
US-09-378-900A-80

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTTGAG 15

RESULT 89  
US-09-899-044-61/c  
; Sequence 61, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,044

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;
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-899-044-61

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 90
US-09-899-044-67/c
; Sequence 67, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:

```

```

;
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 67:
US-09-899-044-67

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15

RESULT 91
US-09-899-044-68/c
; Sequence 68, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:

```

TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 68:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb116  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 68:  
US-09-899-044-68

Query Match 66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 8.8e+02; Indels 0; Gaps 0;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

## RESULT 92

US-09-899-044-69/c  
; Sequence 69, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIERMAN & MUSERLIAN

STREET: 600 THIRD AVENUE

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: USA

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,044

FILING DATE: 06-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/378,900

FILING DATE: <Unknown>

APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-AUG-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: CHARLES A. MUSERLIAN

REGISTRATION NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 661-8000

TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 69:

SEQUENCE CHARACTERISTICS:

LENGTH: 177 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb569  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 69:  
US-09-899-044-69

Query Match

Best Local Similarity 66.7%; Score 12; DB 3; Length 177;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

## RESULT 93

US-09-899-044-70/c  
; Sequence 70, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIERMAN & MUSERLIAN

STREET: 600 THIRD AVENUE

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: USA

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,044

FILING DATE: 06-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/378,900

FILING DATE: <Unknown>

APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-AUG-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: CHARLES A. MUSERLIAN

REGISTRATION NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 661-8000

TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 70:

SEQUENCE CHARACTERISTICS:

LENGTH: 177 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

CLONE: gb569

POSITION IN GENOME:

MAP POSITION: 5' untranslated region

SEQUENCE DESCRIPTION: SEQ ID NO: 70:

US-09-899-044-70

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 94

US-09-899-044-72/c  
; Sequence 72, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES

NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>

APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 72:

SEQUENCE CHARACTERISTICS:

LENGTH: 177 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

CLONE: cam600

POSITION IN GENOME:

MAP POSITION: 5', untranslated region

SEQUENCE DESCRIPTION: SEQ ID NO: 72:

US-09-899-044-72

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 95

US-09-899-044-73/c  
; Sequence 73, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES

NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>

APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 73:

SEQUENCE CHARACTERISTICS:

LENGTH: 177 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

CLONE: cam736

POSITION IN GENOME:

MAP POSITION: 5', untranslated region

SEQUENCE DESCRIPTION: SEQ ID NO: 73:

US-09-899-044-73

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 96

US-09-899-044-74/c  
; Sequence 74, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO

;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
;;  
;; NUMBER OF SEQUENCES: 97  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,044  
;; FILING DATE: 06-Jul-2001  
;; CLASSIFICATION: <Unknown>  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE: <Unknown>  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;;  
;; INFORMATION FOR SEQ ID NO: 74:  
;;  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: 9d809  
;; POSITION IN GENOME:  
;; MAP POSITION: 5', untranslated region  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 74:  
US-09-899-044-74

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

RESULT 97

US-09-899-044-75/c  
; Sequence 75, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK

;; COUNTRY: USA  
;; ZIP: 10016  
;;  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;;  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,044  
;; FILING DATE: 06-Jul-2001  
;; CLASSIFICATION: <Unknown>  
;;  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE: <Unknown>  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;;  
;; INFORMATION FOR SEQ ID NO: 75:  
;;  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: 9d487  
;; POSITION IN GENOME:  
;; MAP POSITION: 5', untranslated region  
;; SEQUENCE DESCRIPTION: SEQ ID NO: 75:  
US-09-899-044-75

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

RESULT 98

US-09-899-044-76/c  
; Sequence 76, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 76:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb724  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 76:  
US-09-899-044-76

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 26 GGGGTCTGGAG 15

RESULT 99  
US-09-899-044-77/c  
; Sequence 77, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,044  
; FILING DATE: 06-Jul-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 77:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
LIBRARY: be97  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 77:  
US-09-899-044-77

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 26 GGGGTCTGGAG 15

RESULT 100  
US-09-899-044-78/c  
; Sequence 78, Application US/09899044  
; Patent No. 6548244  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,044  
; FILING DATE: 06-Jul-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; FILING DATE: 26-NOV-1993

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be95
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 78:
US-09-899-044-78

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGAG 15

RESULT 101
US-09-899-044-79/c
; Sequence 79, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-Nov-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-Aug-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-Nov-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
```

```
;
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be96
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 79:
US-09-899-044-79

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTCGAG 15

RESULT 102
US-09-899-044-80/c
; Sequence 80, Application US/09899044
; Patent No. 6548244
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-Nov-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-Aug-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-Nov-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be98
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 80:
US-09-899-044-80
```

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15  
||||:||||

## RESULT 103

US-09-899-302-61/c  
; Sequence 61, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 61:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: be82 (also referred to as be99)  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region

US-09-899-302-61

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15  
||||:||||

## RESULT 104

US-09-899-302-67/c  
; Sequence 67, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 67:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb48  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region

US-09-899-302-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15  
||||:||||



RESULT 105  
US-09-899-302-68/c  
; Sequence 68, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; INFORMATION FOR SEQ ID NO: 68:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb116  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-68  
Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15  
RESULT 106  
US-09-899-302-69/c  
; Sequence 69, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; INFORMATION FOR SEQ ID NO: 69:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb116  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-69  
Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15  
RESULT 107  
US-09-899-302-70/c  
; Sequence 70, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; INFORMATION FOR SEQ ID NO: 69:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb569  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-69  
Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

RESULT 107  
US-09-899-302-70/c  
; Sequence 70, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; INFORMATION FOR SEQ ID NO: 69:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb569  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-69  
Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15  
RESULT 107  
US-09-899-302-70/c  
; Sequence 70, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; INFORMATION FOR SEQ ID NO: 69:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb569  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-69  
Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,302  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410,004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 70:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: gb358  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
US-09-899-302-70

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 108  
US-09-899-302-72/c  
; Sequence 72, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWEYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK

;; COUNTRY: USA  
;; ZIP: 10016  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,302  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410,004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 72:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: cam600  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
US-09-899-302-72

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 109  
US-09-899-302-73/c  
; Sequence 73, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWEYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 73:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: cam736  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-899-302-73

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCCTGGAG 15

RESULT 110  
US-09-899-302-74/c  
Sequence 74, Application US/09899302  
Patent No. 6887985  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 74:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb809  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-899-302-74

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCCTGGAG 15

RESULT 111  
US-09-899-302-75/c  
Sequence 75, Application US/09899302  
Patent No. 6887985  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568

;  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 75:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb487  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-899-302-75

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
Db 26 GGGGTCCTGGAG 15

RESULT 112  
US-09-899-302-76/c  
; Sequence 76, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:

;  
; FILING DATE: 31-AUG-1993  
; APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 76:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: gb724  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-899-302-76

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
Db 26 GGGGTCCTGGAG 15

RESULT 113  
US-09-899-302-77/c  
; Sequence 77, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:

; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; LIBRARY: be97  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-77

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGCTCTGGAG 15

## RESULT 114

US-09-899-302-78/c  
; Sequence 78, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002

; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 78:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: be95  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-78

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGCTCTGGAG 15

## RESULT 115

US-09-899-302-79/c  
; Sequence 79, Application US/09899302  
; Patent No. 6887985  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 79:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid

```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be96
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-899-302-79

Query Match      66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      26 GGGGTCTCTGGAG 15

RESULT 116
US-09-899-302-80/c
; Sequence 80, Application US/09899302
; Patent No. 6887985
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be98
```

```
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-899-302-80

Query Match      66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      26 GGGGTCTCTGGAG 15

RESULT 117
US-09-899-082B-61/c
; Sequence 61, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-61

Query Match      66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      26 GGGGTCTCTGGAG 15

RESULT 118
US-09-899-082B-67/c
; Sequence 67, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
```

; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 67  
; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15

## RESULT 119

US-09-899-082B-68/c  
; Sequence 68, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 68  
; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-68

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15

## RESULT 120

US-09-899-082B-69/c  
; Sequence 69, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18

; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 69  
; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-69

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15

## RESULT 121

US-09-899-082B-70/c  
; Sequence 70, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 70  
; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-70

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTGGAG 15

## RESULT 122

US-09-899-082B-72/c  
; Sequence 72, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900

```
; PRIOR FILING DATE: 1993-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-72
```

```
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 26 GGGGTCTGGAG 15
```

## RESULT 123

```
US-09-899-082B-73/c
; Sequence 73, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 73
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-73
```

```
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 26 GGGGTCTGGAG 15
```

## RESULT 124

```
US-09-899-082B-74/c
; Sequence 74, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
```

```
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-74
```

```
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 26 GGGGTCTGGAG 15
```

## RESULT 125

```
US-09-899-082B-75/c
; Sequence 75, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-75
```

```
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 26 GGGGTCTGGAG 15
```

## RESULT 126



```
US-09-899-082B-76/c
; Sequence 76, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 76
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-76

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTTGAG 15

RESULT 127
US-09-899-082B-77/c
; Sequence 77, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 77
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-77

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTTGAG 15

RESULT 128
US-09-899-082B-78/c
; Sequence 78, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-78
```

```
Db 26 GGGGTCTTGAG 15

RESULT 128
US-09-899-082B-78/c
; Sequence 78, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-78

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCTTGAG 15

RESULT 129
US-09-899-082B-79/c
; Sequence 79, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 79
; LENGTH: 177
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-79
```

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
DB 26 GGGGTCCTGGAG 15

## RESULT 130

US-09-899-082B-80/c  
; Sequence 80, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 80  
; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-80

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
DB 26 GGGGTCCTGGAG 15

## RESULT 131

US-09-899-082B-108/c  
; Sequence 108, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 108

; LENGTH: 177  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-108

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
DB 26 GGGGTCCTGGAG 15

## RESULT 132

US-08-256-568B-59/c  
; Sequence 59, Application US/08256568B  
; Patent No. 5846704  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/256,568B  
; FILING DATE: 18-JUL-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 59:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 178 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: bu74  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-08-256-568B-59

Query Match 66.7%; Score 12; DB 2; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTGGAG 15

## RESULT 133

US-08-256-568B-71/c  
; Sequence 71, Application US/08256568B  
; Patent No. 5846704

## GENERAL INFORMATION:

; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97

## CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

## COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII

## CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/256,568B  
; FILING DATE: 18-JUL-1994  
; CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993

## PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993

## PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992

## ATTORNEY/AGENT INFORMATION:

; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002

## INFORMATION FOR SEQ ID NO: 71:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 178 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: 9b549  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region

US-08-256-568B-71

Query Match 66.7%; Score 12; DB 2; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTGGAG 15

## RESULT 134

US-09-038-369B-59/c  
; Sequence 59, Application US/09038369B  
; Patent No. 6171784

; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97

## CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

## COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII

## CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/038,369B  
; FILING DATE:

## CLASSIFICATION:

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994

; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993

## PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993

## PRIOR APPLICATION DATA:

; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992

## ATTORNEY/AGENT INFORMATION:

; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002

## INFORMATION FOR SEQ ID NO: 59:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 178 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: bu74  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region

US-09-038-369B-59

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCTGGAG 15

## RESULT 135

US-09-038-369B-71/c  
; Sequence 71, Application US/09038369B  
; Patent No. 6171784

## GENERAL INFORMATION:

; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:

ADDRESSER: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/038,369B  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 71:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: gb549  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-038-369B-71

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
Db 26 GGGGTCTGTGAG 15

RESULT 136  
US-09-378-900A-59/C  
Sequence 59, Application US/09378900A  
Patent No. 6495670  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 59:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: bu74  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-378-900A-59

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
Db 26 GGGGTCTGTGAG 15

RESULT 137  
US-09-378-900A-71/C  
Sequence 71, Application US/09378900A  
Patent No. 6495670  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900A  
FILING DATE:

CLASSIFICATION:  
PRIOR APPLICATION DATA: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 71:  
LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE: 9b549  
CLONE: 9b549  
POSITION IN GENOME: 5' untranslated region  
MAP POSITION: 5' untranslated region  
US-09-378-900A-71

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 26 GGGGTCCTGGAG 15

## RESULT 138

US-09-899-044-59/c  
Sequence 59, Application US/09899044  
Patent No. 6548244  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEBERT; STUYVER, LIEVEN;  
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 59:  
LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: bu74  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 59:  
US-09-899-044-59

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 26 GGGGTCCTGGAG 15

## RESULT 139

US-09-899-044-71/c  
Sequence 71, Application US/09899044  
Patent No. 6548244  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEBERT; STUYVER, LIEVEN;  
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 71:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: gb549  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 71:  
US-09-899-044-71

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 140

US-09-899-302-59/c  
Sequence 59, Application US/098999302  
Patent No. 6887985

GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 59:  
SEQUENCE CHARACTERISTICS:

LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: bu74  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-899-302-59

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 141

US-09-899-302-71/c  
Sequence 71, Application US/098999302  
Patent No. 6887985

GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 71:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 178 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna

; IMMEDIATE SOURCE:  
; CLONE: gb549  
; POSITION IN GENOME:  
; MAP POSITION: 5' untranslated region  
US-09-899-302-71

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 142

US-09-899-082B-59/c  
; Sequence 59, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; PRIOR FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222  
; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 59  
; LENGTH: 178  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-59

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 143

US-09-899-082B-71/c  
; Sequence 71, Application US/09899082B  
; Patent No. 6891026  
; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; PRIOR FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222

; PRIOR FILING DATE: 1992-11-27  
; PRIOR APPLICATION NUMBER: EP93402129  
; PRIOR FILING DATE: 1993-08-31  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 71  
; LENGTH: 178  
; TYPE: DNA  
; ORGANISM: hepatitis C virus  
US-09-899-082B-71

Query Match 66.7%; Score 12; DB 3; Length 178;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 144

US-08-441-971-50/c  
; Sequence 50, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL  
; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sa3  
US-08-441-971-50

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 34 GGGGTCCTGGAG 23

## RESULT 145

US-08-441-971-51/c  
; Sequence 51, Application US/08441971  
; Patent No. 6071693  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,971  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL

; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sa4  
US-08-441-971-51

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e-02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 34 GGGGTCCTGGAG 23

## RESULT 146

US-08-221-653-50/c  
; Sequence 50, Application US/08221653  
; Patent No. 6190864  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha

; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/221,653  
; FILING DATE:  
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/881,528  
; FILING DATE:  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL

; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sa3  
US-08-221-653-50

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e-02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 34 GGGGTCCTGGAG 23

## RESULT 147

US-08-221-653-51/c  
; Sequence 51, Application US/08221653  
; Patent No. 6190864  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1



;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/221,653  
;; FILING DATE:  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/07/881,528  
;; FILING DATE:  
;; APPLICATION NUMBER: 07/697,326  
;; FILING DATE: 8 May 1991  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Janiuk, Anthony J.  
;; REGISTRATION NUMBER: 29,809  
;; REFERENCE/DOCKET NUMBER: C0772/7000  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 720-3500  
;; TELEFAX: (617) 720-2441  
;; TELEX: EZEKIEL  
;; INFORMATION FOR SEQ ID NO: 51:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 180 nucleotides  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: sa4  
US-08-221-653-51

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGAG 12  
Db 34 GGGGTCTGGAG 23  
||||:||||

RESULT 148  
US-08-442-144A-50/c  
; Sequence 50, Application US/08442144A  
; Patent No. 6214583  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; APPLICANT: Eileen Beall  
; APPLICANT: Bruce Irvine  
; APPLICANT: Janice Kolberg  
; APPLICANT: Michael S. Urdea  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 148  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94608-2916  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 Inch  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows NT  
; SOFTWARE: Microsoft Word 97  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/442,144A  
; FILING DATE: MAY 16, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/221,653  
; FILING DATE: APRIL 1, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Doreen Yatko Trujillo  
; REGISTRATION NUMBER: 35,719  
; REFERENCE/DOCKET NUMBER: CHIR-0121

;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 215-568-3100  
;; TELEFAX: 215-568-3439  
;; TELEX:  
;; INFORMATION FOR SEQ ID NO: 50:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 180 Nucleotides  
;; TYPE: Nucleic Acid  
;; STRANDEDNESS: Single  
;; TOPOLOGY: Linear  
;; MOLECULE TYPE: DNA  
;; ORIGINAL SOURCE:  
;; INDIVIDUAL ISOLATE: sa3  
US-08-442-144A-50

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGAG 12  
Db 34 GGGGTCTGGAG 23  
||||:||||

RESULT 149  
US-08-442-144A-51/c  
; Sequence 51, Application US/08442144A  
; Patent No. 6214583  
; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; APPLICANT: Eileen Beall  
; APPLICANT: Bruce Irvine  
; APPLICANT: Janice Kolberg  
; APPLICANT: Michael S. Urdea  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 148  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Chiron Corporation  
; STREET: 4560 Horton Street  
; CITY: Emeryville  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94608-2916  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 3.5 Inch  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: Windows NT  
; SOFTWARE: Microsoft Word 97  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/442,144A  
; FILING DATE: MAY 16, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/221,653  
; FILING DATE: APRIL 1, 1994  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Doreen Yatko Trujillo  
; REGISTRATION NUMBER: 35,719  
; REFERENCE/DOCKET NUMBER: CHIR-0121  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 215-568-3100  
; TELEFAX: 215-568-3439  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 Nucleotides  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sa4

## US-08-442-144A-51

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 34 GGGGTCTGGAG 23

## RESULT 150

US-08-441-970-50/c  
; Sequence 50, Application US/08441970  
; Patent No. 6297370

; GENERAL INFORMATION:  
; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL

; INFORMATION FOR SEQ ID NO: 50:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sa3

US-08-441-970-50

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 34 GGGGTCTGGAG 23

## RESULT 151

US-08-441-970-51/c  
; Sequence 51, Application US/08441970  
; Patent No. 6297370

## ; GENERAL INFORMATION:

; APPLICANT: Tai-An Cha  
; TITLE OF INVENTION: HCV GENOMIC SEQUENCES FOR  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 147  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Wolf, Greenfield & Sacks, P.C.  
; STREET: 600 Atlantic Avenue  
; CITY: Boston  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02210

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette, 5.25 inch  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: MS-DOS Version 3.3  
; SOFTWARE: WordPerfect 5.1  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/441,970  
; FILING DATE: 16-MAY-1995  
; CLASSIFICATION: 536

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/881,528  
; FILING DATE: 08-MAY-1992  
; APPLICATION NUMBER: 07/697,326  
; FILING DATE: 8 May 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Janiuk, Anthony J.  
; REGISTRATION NUMBER: 29,809  
; REFERENCE/DOCKET NUMBER: C0772/7000

; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 720-3500  
; TELEFAX: (617) 720-2441  
; TELEX: EZEKIEL

; INFORMATION FOR SEQ ID NO: 51:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 180 nucleotides  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; ORIGINAL SOURCE:  
; INDIVIDUAL ISOLATE: sa4

US-08-441-970-51

Query Match 66.7%; Score 12; DB 3; Length 180;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 34 GGGGTCTGGAG 23

## RESULT 152

US-09-899-082B-102/c  
; Sequence 102, Application US/09899082B  
; Patent No. 6891026

; GENERAL INFORMATION:  
; APPLICANT: Innogenetics N.V.  
; TITLE OF INVENTION: Process for typing of HCV isolates  
; FILE REFERENCE: 2551-111  
; CURRENT APPLICATION NUMBER: US/09/899,082B  
; CURRENT FILING DATE: 2001-07-06  
; PRIOR APPLICATION NUMBER: 09/378,900  
; PRIOR FILING DATE: 1999-08-23  
; PRIOR APPLICATION NUMBER: 09/044,665  
; PRIOR FILING DATE: 1998-03-19  
; PRIOR APPLICATION NUMBER: 08/256,568  
; PRIOR FILING DATE: 1994-07-18  
; PRIOR APPLICATION NUMBER: PCT/EP93/03325  
; PRIOR FILING DATE: 1993-11-26  
; PRIOR APPLICATION NUMBER: EP92403222

;; PRIOR FILING DATE: 1992-11-27  
;; PRIOR APPLICATION NUMBER: EP93402129  
;; PRIOR FILING DATE: 1993-08-31  
;; NUMBER OF SEQ ID NOS: 128  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 102  
;; LENGTH: 190  
;; TYPE: DNA  
;; ORGANISM: hepatitis C virus  
US-09-899-082B-102

Query Match 66.7%; Score 12; DB 3; Length 190;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 27 GGGGTCCTGGAG 16

## RESULT 153

US-08-634-797-46/c

; Sequence 46, Application US/08634797

; Patent No. 5851759

; GENERAL INFORMATION:

; APPLICANT: WEINER, AMY J.

; TITLE OF INVENTION: HETERODUPLEX TRACKING ASSAY (HTA) FOR

; TITLE OF INVENTION: GENOTYPING HCV

; NUMBER OF SEQUENCES: 52

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Chiron Corporation

; STREET: 4560 Horton Street - R440

; CITY: Emeryville

; STATE: California

; COUNTRY: USA

; ZIP: 94608-2916

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/634,797

; FILING DATE: 19-APR-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Harbin, Alisa A.

; REGISTRATION NUMBER: 33,895

; REFERENCE/DOCKET NUMBER: 1226.001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (510) 601-3274

; TELEFAX: (510) 655-3542

; TELEX: N/A

; INFORMATION FOR SEQ ID NO: 46:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 194 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-634-797-46

Query Match 66.7%; Score 12; DB 2; Length 194;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 56 GGGGTCCTGGAG 45

## RESULT 154

US-08-634-797-47/c

;; Sequence 47, Application US/08634797  
;; Patent No. 5851759  
;; GENERAL INFORMATION:  
;; APPLICANT: WEINER, AMY J.  
;; TITLE OF INVENTION: HETERODUPLEX TRACKING ASSAY (HTA) FOR  
;; TITLE OF INVENTION: GENOTYPING HCV  
;; NUMBER OF SEQUENCES: 52  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Chiron Corporation  
;; STREET: 4560 Horton Street - R440  
;; CITY: Emeryville  
;; STATE: California  
;; COUNTRY: USA  
;; ZIP: 94608-2916  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; APPLICATION NUMBER: US/08/634,797  
;; FILING DATE: 19-APR-1996  
;; CLASSIFICATION: 435  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Harbin, Alisa A.  
;; REGISTRATION NUMBER: 33,895  
;; REFERENCE/DOCKET NUMBER: 1226.001  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (510) 601-3274  
;; TELEFAX: (510) 655-3542  
;; TELEX: N/A  
;; INFORMATION FOR SEQ ID NO: 47:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 194 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA (genomic)  
US-08-634-797-47

Query Match 66.7%; Score 12; DB 2; Length 194;  
Best Local Similarity 83.3%; Pred. No. 8.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 56 GGGGTCCTGGAG 45

## RESULT 155

US-08-634-797-48/c

; Sequence 48, Application US/08634797

; Patent No. 5851759

; GENERAL INFORMATION:

; APPLICANT: WEINER, AMY J.

; TITLE OF INVENTION: HETERODUPLEX TRACKING ASSAY (HTA) FOR

; TITLE OF INVENTION: GENOTYPING HCV

; NUMBER OF SEQUENCES: 52

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Chiron Corporation

; STREET: 4560 Horton Street - R440

; CITY: Emeryville

; STATE: California

; COUNTRY: USA

; ZIP: 94608-2916

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/634,797

; FILING DATE: 19-APR-1996

```
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 1226.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-3274
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-634-797-48

Query Match 66.7%; Score 12; DB 2; Length 194;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCCTGGAG 45

RESULT 156
US-09-270-767-28457/c
; Sequence 28457, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28457
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-28457

Query Match 66.7%; Score 12; DB 3; Length 201;
Best Local Similarity 83.3%; Pred. No. 8.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 102 GGGGTCCTGGAG 91

RESULT 157
US-09-513-999C-29549
; Sequence 29549, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2, REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29549
; LENGTH: 221

; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Harbin, Alisa A.
; REGISTRATION NUMBER: 33,895
; REFERENCE/DOCKET NUMBER: 1226.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (510) 601-3274
; TELEFAX: (510) 655-3542
; TELEX: N/A
; INFORMATION FOR SEQ ID NO: 48:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 194 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-634-797-48

Query Match 66.7%; Score 12; DB 2; Length 194;
Best Local Similarity 83.3%; Pred. No. 8.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCCTGGAG 45

RESULT 156
US-09-270-767-28457/c
; Sequence 28457, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT FILING DATE: 1999-03-17
; NUMBER OF SEQ ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 28457
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-28457

Query Match 66.7%; Score 12; DB 3; Length 201;
Best Local Similarity 83.3%; Pred. No. 8.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 102 GGGGTCCTGGAG 91

RESULT 157
US-09-513-999C-29549
; Sequence 29549, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; Patent No. 6783961
; FILE REFERENCE: 59 US2, REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681
; SOFTWARE: Patent.pm
; SEQ ID NO 29549
; LENGTH: 221

; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-513-999C-29549

Query Match 66.7%; Score 12; DB 3; Length 221;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 15 GGGGTCCTGGAG 26

RESULT 158
US-09-899-082B-103/c
; Sequence 103, Application US/09899082B
; Patent No. 6891026
; GENERAL INFORMATION:
; APPLICANT: Innogenetics N.V.
; TITLE OF INVENTION: Process for typing of HCV isolates
; FILE REFERENCE: 2551-111
; CURRENT APPLICATION NUMBER: US/09/899,082B
; CURRENT FILING DATE: 2001-07-06
; PRIOR APPLICATION NUMBER: 09/378,900
; PRIOR FILING DATE: 1999-08-23
; PRIOR APPLICATION NUMBER: 09/044,665
; PRIOR FILING DATE: 1998-03-19
; PRIOR APPLICATION NUMBER: 08/256,568
; PRIOR FILING DATE: 1994-07-18
; PRIOR APPLICATION NUMBER: PCT/EP93/03325
; PRIOR FILING DATE: 1993-11-26
; PRIOR APPLICATION NUMBER: EP92403222
; PRIOR FILING DATE: 1992-11-27
; PRIOR APPLICATION NUMBER: EP93402129
; PRIOR FILING DATE: 1993-08-31
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 103
; LENGTH: 227
; TYPE: DNA
; ORGANISM: hepatitis C virus
US-09-899-082B-103

Query Match 66.7%; Score 12; DB 3; Length 227;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 64 GGGGTCCTGGAG 53

RESULT 159
US-09-034-205-37/c
; Sequence 37, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Iyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
```

; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/034,205  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-03268  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 37:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
US-09-034-205-37

Query Match 66.7%; Score 12; DB 3; Length 232;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 47 GGGTCCTGGAG 36

RESULT 160  
US-08-934-097A-37/c  
; Sequence 37, Application US/08934097A  
; Patent No. 6210880  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing With Structure-Bridging  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/934,097A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-02980  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 37:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 base pairs  
; TYPE: nucleic acid

; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
US-08-934-097A-37

Query Match 66.7%; Score 12; DB 3; Length 232;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 47 GGGTCCTGGAG 36

RESULT 161  
US-08-851-588-37/c  
; Sequence 37, Application US/08851588  
; Patent No. 6214545  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Prudent, James R.  
; APPLICANT: Dahlberg, James E.  
; APPLICANT: Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing  
; NUMBER OF SEQUENCES: 38  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/851,588  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ingolia, Diane E.  
; REGISTRATION NUMBER: 40,027  
; REFERENCE/DOCKET NUMBER: FORS-02777  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 37:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 232 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
US-08-851-588-37

Query Match 66.7%; Score 12; DB 3; Length 232;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 47 GGGTCCTGGAG 36

RESULT 162  
US-08-677-218B-37/c  
; Sequence 37, Application US/09677218B

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; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
;                   STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 37:
;   SEQUENCE CHARACTERISTICS:
;     LENGTH: 232 base pairs
;     TYPE: nucleic acid
;     STRANDEDNESS: double
;     TOPOLOGY: linear
;   MOLECULE TYPE: other nucleic acid
;   DESCRIPTION: /desc = "DNA"
;   SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-677-218B-37

Query Match      66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      47 GGGGTCCTGGAG 36

RESULT 163
US-09-677-192-37/c
; Sequence 37, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-37

Query Match      66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      47 GGGGTCCTGGAG 36

RESULT 164
US-09-402-618B-37/c
; Sequence 37, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Pang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402,618B
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03194
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 37
; LENGTH: 232
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-37

Query Match      66.7%; Score 12; DB 3; Length 232;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      47 GGGGTCCTGGAG 36

RESULT 165
US-09-825-574-37/c
; Sequence 37, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;                   Structure Probing With Structure-Bridging
;                   Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
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COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER:  
APPLICATION DATA:  
FILING DATE: 03-Apr-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/934,097  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: MacKnight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-02980  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 37:  
US-09-825-574-37

Query Match 66.7%; Score 12; DB 3; Length 232;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 47 GGGGTCTCGAG 36

RESULT 166  
US-09-676-768-37/c  
; Sequence 37, Application US/09676768  
; Patent No. 6780585  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; Lyamichiev, Victor I.  
; Prudent, James R.  
; Dahlberg, James E.  
; Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; NUMBER OF SEQUENCES: 38  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: 02-Oct-2000  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/851,588  
; FILING DATE: 05-May-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ingolia, Diane E.  
; REGISTRATION NUMBER: 40,027  
; REFERENCE/DOCKET NUMBER: FORS-02777

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 37:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 232 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 37:  
US-09-676-768-37

Query Match 66.7%; Score 12; DB 3; Length 232;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 47 GGGGTCTCGAG 36

RESULT 167  
US-09-034-205-32/c  
; Sequence 32, Application US/09034205  
; Patent No. 6194149  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichiev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; FILING DATE: US/09/034,205  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-03268  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 239 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; US-09-034-205-32

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

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Db          54 GGGGTCTCTGGAG 43
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RESULT 168
US-09-034-205-36/c
; Sequence 36, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-09-034-205-36
Query Match          66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GGGGUCCUGGAG 12
||||:|:|:|
Db          54 GGGGTCTCTGGAG 43

RESULT 170
US-08-934-097A-36/c
; Sequence 36, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; STRUCTURE PROBING WITH STRUCTURE-BRIDGING
; OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/934,097A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; US-08-934-097A-32
Query Match          66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GGGGUCCUGGAG 12
||||:|:|:|
Db          54 GGGGTCTCTGGAG 43

RESULT 169
US-08-934-097A-32/c
; Sequence 32, Application US/08934097A
; Patent No. 6210880
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
; STRUCTURE PROBING WITH STRUCTURE-BRIDGING
; OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
```



TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 239 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-934-097A-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
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Db 54 GGGGTCTGGAG 43

RESULT 171  
US-08-851-588-32/c  
Sequence 32, Application US/08851588  
Patent No. 6214545  
GENERAL INFORMATION:  
APPLICANT: Dong, Fang  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Prudent, James R.  
APPLICANT: Dahlberg, James E.  
APPLICANT: Fors, Lance  
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
STRUCTURE PROBING  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 239 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-32

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 54 GGGGTCTGGAG 43

RESULT 172  
US-08-851-588-36/c  
Sequence 36, Application US/08851588  
Patent No. 6214545  
GENERAL INFORMATION:  
APPLICANT: Dong, Fang  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Prudent, James R.  
APPLICANT: Dahlberg, James E.  
APPLICANT: Fors, Lance  
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
STRUCTURE PROBING  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 239 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
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Db 54 GGGGTCTGGAG 43

Db 54 GGGGTCTGGAG 43  
||||:||||

RESULT 172  
US-08-851-588-36/c  
Sequence 36, Application US/08851588  
Patent No. 6214545  
GENERAL INFORMATION:  
APPLICANT: Dong, Fang  
APPLICANT: Lyamichev, Victor I.  
APPLICANT: Prudent, James R.  
APPLICANT: Dahlberg, James E.  
APPLICANT: Fors, Lance  
TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
STRUCTURE PROBING  
NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 36:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 239 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
US-08-851-588-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 54 GGGGTCTGGAG 43

RESULT 173  
US-09-677-218B-32/c  
Sequence 32, Application US/09677218B  
Patent No. 6355437  
GENERAL INFORMATION:  
APPLICANT: Lyamichev, Victor I.  
Brow, Mary Ann D.  
Fors, Lance  
Neri, Bruce P.  
TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
NUMBER OF SEQUENCES: 68  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP

```
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/677,218B
; FILING DATE: 02-Oct-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 32:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-09-677-218B-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 54 GGGGTCTTGAG 43

RESULT 174
US-09-677-218B-36/c
; Sequence 36, Application US/09677218B
; Patent No. 6355437
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 54 GGGGTCTTGAG 43

RESULT 176
US-09-677-192-36/c
; Sequence 36, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
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; APPLICATION NUMBER: 09/034,205
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-677-218B-36

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 54 GGGGTCTTGAG 43

RESULT 175
US-09-677-192-32/c
; Sequence 32, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
; FILE REFERENCE: FORS-04708
; CURRENT APPLICATION NUMBER: US/09/677,192
; CURRENT FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 09/034,205
; PRIOR FILING DATE: 1998-03-03
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 32
; LENGTH: 239
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-677-192-32

Query Match 66.7%; Score 12; DB 3; Length 239;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 54 GGGGTCTTGAG 43

RESULT 176
US-09-677-192-36/c
; Sequence 36, Application US/09677192
; Patent No. 6358691
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING
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; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; CURRENT FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 36  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 54 GGGTCTGGAG 43

RESULT 177  
US-09-402-618B-32/c  
; Sequence 32, Application US/09402618B  
; Patent No. 6709815  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/09/402,618B  
; CURRENT FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 32  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-402-618B-32

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 54 GGGTCTGGAG 43

RESULT 178  
US-09-402-618B-36/c  
; Sequence 36, Application US/09402618B  
; Patent No. 6709815  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012

; CURRENT APPLICATION NUMBER: US/09/402,618B  
; CURRENT FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 36  
; LENGTH: 239  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-402-618B-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 54 GGGTCTGGAG 43

RESULT 179  
US-09-825-574-32/c  
; Sequence 32, Application US/09825574  
; Patent No. 6709819  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; Fors, Lance  
; Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
Structure Probing With Structure-Bridging  
Oligonucleotides.  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/825,574  
; FILING DATE: 03-Apr-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/934,097  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-02980  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 32:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 239 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
; SEQUENCE DESCRIPTION: SEQ ID NO: 32:  
US-09-825-574-32

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
Db 54 GGGGTCCTGGAG 43

## RESULT 180

US-09-825-574-36/c  
; Sequence 36, Application US/09825574  
; Patent No. 6709819  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; Fors, Lance  
; Neri, Bruce P.  
; Brow, Mary Ann D.

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
Structure Probing With Structure-Bridging  
Oligonucleotides.

NUMBER OF SEQUENCES: 51

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/825,574

FILING DATE: 03-Apr-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/934,097

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: MacKnight, Kamrin T.

REGISTRATION NUMBER: 38,230

REFERENCE/DOCKET NUMBER: FORS-02980

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 36:

SEQUENCE CHARACTERISTICS:

LENGTH: 239 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 36:

US-09-825-574-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 54 GGGGTCCTGGAG 43

## RESULT 181

US-09-676-768-32/c

; Sequence 32, Application US/09676768

; Patent No. 6780585

; GENERAL INFORMATION:

APPLICANT: Dong, Fang

Lyamichev, Victor I.

; Prudent, James R.  
; Dahlberg, James E.  
; Fors, Lance

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
Structure Probing

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP

STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/676,768

FILING DATE: 02-Oct-2000

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/851,588

FILING DATE: 05-May-1997

ATTORNEY/AGENT INFORMATION:

NAME: Ingolia, Diane E.

REGISTRATION NUMBER: 40,027

REFERENCE/DOCKET NUMBER: FORS-02777

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 705-8410

TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 32:

SEQUENCE CHARACTERISTICS:

LENGTH: 239 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: other nucleic acid

DESCRIPTION: /desc = "DNA"

SEQUENCE DESCRIPTION: SEQ ID NO: 32:

US-09-676-768-32

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 54 GGGGTCCTGGAG 43

## RESULT 182

US-09-676-768-36/c

; Sequence 36, Application US/09676768

; Patent No. 6780585

; GENERAL INFORMATION:

APPLICANT: Dong, Fang

Lyamichev, Victor I.

Prudent, James R.

Dahlberg, James E.

Fors, Lance

TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
Structure Probing

NUMBER OF SEQUENCES: 38

CORRESPONDENCE ADDRESS:

ADDRESSEE: MEDLEN & CARROLL, LLP

STREET: 220 Montgomery Street, Suite 2200

CITY: San Francisco

STATE: CA

COUNTRY: USA

ZIP: 94104

COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: Patent In Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/676,768  
;; FILING DATE: 02-Oct-2000  
;; CLASSIFICATION: 435  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/851,588  
;; FILING DATE: 05-May-1997  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Ingolia, Diane E.  
;; REGISTRATION NUMBER: 40,027  
;; REFERENCE/DOCKET NUMBER: FORS-02777  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (415) 705-8410  
;; TELEFAX: (415) 397-8338  
;; INFORMATION FOR SEQ ID NO: 36:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 239 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: other nucleic acid  
;; SEQUENCE DESCRIPTION: /desc = "DNA"  
;;  
US-09-676-768-36

Query Match 66.7%; Score 12; DB 3; Length 239;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
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Db 54 GGGGTCTTGAG 43

RESULT 183  
US-09-034-205-33/c  
; Sequence 33, Application US/09034205  
; Patent No. 6194149  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/034,205  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-03268  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338

;; INFORMATION FOR SEQ ID NO: 33:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 240 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: double  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: other nucleic acid  
;; SEQUENCE DESCRIPTION: /desc = "DNA"  
;;  
US-09-034-205-33

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 55 GGGGTCTTGAG 44

RESULT 184  
US-09-034-205-38/c  
; Sequence 38, Application US/09034205  
; Patent No. 6194149  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING  
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES  
; NUMBER OF SEQUENCES: 68  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/034,205  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-03268  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 38:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 240 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; SEQUENCE DESCRIPTION: /desc = "DNA"  
; ;  
US-09-034-205-38

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
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Db 56 GGGGTCTTGAG 45

## RESULT 185

US-08-934-097A-33/c  
; Sequence 33, Application US/08934097A  
; Patent No. 6210880  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing With Structure-Bridging  
; TITLE OF INVENTION: Oligonucleotides.  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/934,097A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-02980  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 33:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 240 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
US-08-934-097A-33

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. NO. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 55 GGGGTCCTGGAG 44

## RESULT 186

US-08-934-097A-38/c  
; Sequence 38, Application US/08934097A  
; Patent No. 6210880  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing With Structure-Bridging  
; TITLE OF INVENTION: Oligonucleotides.  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA

; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/934,097A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-02980  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 38:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 240 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "DNA"  
US-08-934-097A-38

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. NO. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 56 GGGGTCCTGGAG 45

## RESULT 187

US-08-851-588-33/c  
; Sequence 33, Application US/08851588  
; Patent No. 6214545  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Prudent, James R.  
; APPLICANT: Dahiberg, James E.  
; APPLICANT: Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; TITLE OF INVENTION: Structure Probing  
; NUMBER OF SEQUENCES: 38  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/851,588  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ingolia, Diane E.  
; REGISTRATION NUMBER: 40,027  
; REFERENCE/DOCKET NUMBER: FORS-02777  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 33:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 240 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

US-08-851-588-33

Query Match 66.7%; Score 12; DB 3; Length 240;

Best Local Similarity 83.3%; Pred. No. 8.6e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 55 GGGGTCCTGGAG 44

RESULT 188

US-08-851-588-38/c

; Sequence 38, Application US/08051588

; Patent No. 6214545

; GENERAL INFORMATION:

; APPLICANT: Dong, Fang

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Prudent, James R.

; APPLICANT: Dahlberg, James E.

; APPLICANT: Fors, Lance

; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid

; NUMBER OF SEQUENCES: 38

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/851.588

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Ingolia, Diane E.

; REGISTRATION NUMBER: 40,027

; REFERENCE/DOCKET NUMBER: FORS-02777

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 38:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 240 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

US-08-851-588-38

Query Match 66.7%; Score 12; DB 3; Length 240;

Best Local Similarity 83.3%; Pred. No. 8.6e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 56 GGGGTCCTGGAG 45

RESULT 189

US-09-677-218B-33/c

; Sequence 33, Application US/09677218B

; Patent No. 6355437

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Fors, Lance

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING

; STRUCTURE-BRIDGING OLIGONUCLEOTIDES

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP

; STREET: 220 Montgomery Street, Suite 2200

; CITY: San Francisco

; STATE: CA

; COUNTRY: USA

; ZIP: 94104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/677,218B

; FILING DATE: 02-Oct-2000

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 09/034,205

; FILING DATE: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: MacKnight, Kamrin T.

; REGISTRATION NUMBER: 38,230

; REFERENCE/DOCKET NUMBER: FORS-03268

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 705-8410

; TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 33:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 240 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: other nucleic acid

; DESCRIPTION: /desc = "DNA"

; SEQUENCE DESCRIPTION: SEQ ID NO: 33:

US-09-677-218B-33

Query Match 66.7%; Score 12; DB 3; Length 240;

Best Local Similarity 83.3%; Pred. No. 8.6e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 55 GGGGTCCTGGAG 44

RESULT 190

US-09-677-218B-38/c

; Sequence 38, Application US/09677218B

; Patent No. 6355437

; GENERAL INFORMATION:

; APPLICANT: Lyamichev, Victor I.

; APPLICANT: Brow, Mary Ann D.

; APPLICANT: Fors, Lance

; APPLICANT: Neri, Bruce P.

; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING

; STRUCTURE-BRIDGING OLIGONUCLEOTIDES

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: MEDLEN & CARROLL, LLP

STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA: US/09/677,218B  
APPLICATION NUMBER: US/09/677,218B  
FILING DATE: 02-Oct-2000  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 09/034,205  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Macknight, Kamrin T.  
REGISTRATION NUMBER: 38,230  
REFERENCE/DOCKET NUMBER: FORS-03268  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 38:  
US-09-677-218B-38

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 56 GGGGTCTCGGAG 45

RESULT 191  
US-09-677-192-33/c  
; Sequence 33, Application US/09677192  
; Patent No. 6358691  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; PRIOR FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-33

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 55 GGGGTCTCGGAG 44  
||||:|:|:|

RESULT 192  
US-09-677-192-38/c  
; Sequence 38, Application US/09677192  
; Patent No. 6358691  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; APPLICANT: Brow, Mary Ann D.  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce P.  
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING STRUCTURE-BRIDGING  
; FILE REFERENCE: FORS-04708  
; CURRENT APPLICATION NUMBER: US/09/677,192  
; PRIOR FILING DATE: 2000-10-02  
; PRIOR APPLICATION NUMBER: 09/034,205  
; PRIOR FILING DATE: 1998-03-03  
; NUMBER OF SEQ ID NOS: 68  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 38  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-677-192-38

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 56 GGGGTCTCGGAG 45  
||||:|:|:|

RESULT 193  
US-09-402-618B-33/c  
; Sequence 33, Application US/09402618B  
; Patent No. 6709815  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; APPLICANT: Lyamichev, Victor  
; APPLICANT: Prudent, James  
; APPLICANT: Fors, Lance  
; APPLICANT: Neri, Bruce  
; APPLICANT: Brow, Mary Ann  
; APPLICANT: Anderson, Todd  
; APPLICANT: Dahlberg, James  
; TITLE OF INVENTION: Target-Dependent Reactions Using Structure-Bridging Oligonucleotides  
; FILE REFERENCE: FORS-04012  
; CURRENT APPLICATION NUMBER: US/09/402,618B  
; CURRENT FILING DATE: 2000-07-18  
; PRIOR APPLICATION NUMBER: PCT/US98/03194  
; PRIOR FILING DATE: 1998-05-05  
; NUMBER OF SEQ ID NOS: 128  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 33  
; LENGTH: 240  
; TYPE: DNA  
; ORGANISM: Hepatitis C virus  
US-09-402-618B-33

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 55 GGGGTCTCGGAG 44  
||||:|:|:|



**RESULT 194**

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US-09-402-618B-38/c
; Sequence 38, Application US/09402618B
; Patent No. 6709815
; GENERAL INFORMATION:
; APPLICANT: Dong, Fang
; APPLICANT: Lyamichev, Victor
; APPLICANT: Prudent, James
; APPLICANT: Fors, Lance
; APPLICANT: Neri, Bruce
; APPLICANT: Brow, Mary Ann
; APPLICANT: Anderson, Todd
; APPLICANT: Dahlberg, James
; TITLE OF INVENTION: Target-Dependent
; FILE REFERENCE: FORS-04012
; CURRENT APPLICATION NUMBER: US/09/402-618B-38
; CURRENT FILING DATE: 2000-07-18
; PRIOR APPLICATION NUMBER: PCT/US98/03000
; PRIOR FILING DATE: 1998-05-05
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 240
; TYPE: DNA
; ORGANISM: Hepatitis C virus
US-09-402-618B-38

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Query Match      66.7%; Score 12; DB 3; Length 240;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 GGGGUCCUGGAG 12  
Db 56 GGGGTCTTGGAG 45

## RESULT 195

US-09-825-574-33/c  
; Sequence 33, Application US/09825574  
; Patent No. 6709819  
; GENERAL INFORMATION:  
; APPLICANT: Lyamichev, Victor I.  
; Fors, Mary Ann D.  
; Neri, Bruce P.  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; Structure Probing With Structure-Bridging  
; Oligonucleotides.  
; NUMBER OF SEQUENCES: 51  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL, LLP  
; STREET: 220 Montgomery Street, Suite 2200  
; CITY: San Francisco  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/825,574  
; FILING DATE: 03-Apr-2001  
; CLASSIFICATION: <Unknown>  
; APPLICATION NUMBER: 08/934,097  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: MacKnight, Kamrin T.  
; REGISTRATION NUMBER: 38,230  
; REFERENCE/DOCKET NUMBER: FORS-02980  
; TELECOMMUNICATION INFORMATION:

```

, TELEPHONE: (415) 705-8410
,
, TELEFAX: (415) 397-8338
,
, INFORMATION FOR SEQ ID NO: 33:
,   SEQUENCE CHARACTERISTICS:
,     LENGTH: 240 base pairs
,     TYPE: nucleic acid
,     STRANDEDNESS: double
,     TOPOLOGY: linear
,   MOLECULE TYPE: other nucleic acid
,   DESCRIPTION: /desc = "DNA"
,   SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-09-825-574-33

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Qy	1	GGGGUCCUGGAG	12
		:	
Db	55	GGGTCTCTGGAG	44

## RESULT 196

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US-09-825-574-38/c
; Sequence 38, Application US/09825574
; Patent No. 6709819
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
;           Brow, Mary Ann D.
;           Fors, Lance
;           Neri, Bruce P.
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid
;           Structure Probing With Structure-Bridging
;           Oligonucleotides.
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/825,574
; FILING DATE: 03-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/934,097
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Macknight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-02980
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 38:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
; SEQUENCE DESCRIPTION: SEQ ID NO: 38:
US-09-825-574-38

```

Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
Db 56 GGGGTCTCGGAG 45  
||||:|:|

## RESULT 197

US-09-676-768-33/c  
; Sequence 33, Application US/09676768  
; Patent No. 6780585  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang  
; Lyamichev, Victor I.  
; Prudent, James R.  
; Dahlberg, James E.  
; Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; Structure Probing

NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/676,768  
FILING DATE: 02-Oct-2000  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE: 05-May-1997

ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.  
REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 33:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 33:  
US-09-676-768-33

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 55 GGGGTCTCGGAG 44  
||||:|:|

## RESULT 198

US-09-676-768-38/c  
; Sequence 38, Application US/09676768  
; Patent No. 6780585  
; GENERAL INFORMATION:  
; APPLICANT: Dong, Fang

Lyamichev, Victor I.  
Prudent, James R.  
Dahlberg, James E.  
Fors, Lance  
; TITLE OF INVENTION: Polymorphism Analysis By Nucleic Acid  
; Structure Probing

NUMBER OF SEQUENCES: 38  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL, LLP  
STREET: 220 Montgomery Street, Suite 2200  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94104

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/676,768  
FILING DATE: 02-Oct-2000  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/851,588  
FILING DATE: 05-May-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ingolia, Diane E.

REGISTRATION NUMBER: 40,027  
REFERENCE/DOCKET NUMBER: FORS-02777  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 38:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 240 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: other nucleic acid  
DESCRIPTION: /desc = "DNA"  
SEQUENCE DESCRIPTION: SEQ ID NO: 38:  
US-09-676-768-38

Query Match 66.7%; Score 12; DB 3; Length 240;  
Best Local Similarity 83.3%; Pred. No. 8.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 56 GGGGTCTCGGAG 45  
||||:|:|

## RESULT 199

US-08-335-595-1/c  
; Sequence 1, Application US/08335595  
; Patent No. 5914228  
; GENERAL INFORMATION:  
; APPLICANT: VIERLING, JOHN M  
; APPLICANT: HU, KE-QIN  
; TITLE OF INVENTION: DIRECT DETECTION OF HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: LYON & LYON  
; STREET: 611 WEST 6TH STREET  
; CITY: LOS ANGELES  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 90017

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

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;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/335,595
; FILING DATE: 08-NOV-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/175,473
; FILING DATE:
; APPLICATION NUMBER: US/07/758,862
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: SCHNEIDER, CAROL A.
; REGISTRATION NUMBER: 34,923
; REFERENCE/DOCKET NUMBER: 194/285
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 213-489-1600
; TELEFAX: 213-955-0440
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 242 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
;
US-08-335-595-1

Query Match 66.7%; Score 12; DB 2; Length 242;
Best Local Similarity 83.3%; Pred. No. 8.6e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 100 GGGGTCCTGGAG 89

RESULT 200
US-09-034-205-26/c
; Sequence 26, Application US/09034205
; Patent No. 6194149
; GENERAL INFORMATION:
; APPLICANT: Lyamichev, Victor I.
; APPLICANT: Brow, Mary Ann D.
; APPLICANT: Fors, Lance P.
; APPLICANT: Neri, Bruce P.
; TITLE OF INVENTION: TARGET-DEPENDENT REACTIONS USING
; TITLE OF INVENTION: STRUCTURE-BRIDGING OLIGONUCLEOTIDES
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/034,205
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: FORS-03268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 244 base pairs
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;
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "DNA"
;
US-09-034-205-26

Query Match 66.7%; Score 12; DB 3; Length 244;
Best Local Similarity 83.3%; Pred. No. 8.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 56 GGGGTCCTGGAG 45

Search completed: February 27, 2006, 08:15:54
Job time : 82.1053 secs
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GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2006, 08:07:13 ; Search time 342 Seconds  
(without alignments)  
435.230 Million cell updates/sec

Title: US-08-887-505B-38

Perfect score: 18

Sequence: 1 GGGGUCCUGGAGNNNNN 18:

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 9793542 seqs, 4134689005 residues

Word size : 0

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Published Applications NA Main:\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
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- 7: /cgn2\_6/ptodata/1/pubpna/US10C\_PUBCOMB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US10D\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US10E\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US11\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18	100.0	18	2	US-08-887-505-38
2	18	100.0	24	2	US-08-887-505-67
3	15	83.3	29	5	US-10-053-883-10
4	15	83.3	29	5	US-10-053-883-11
5	13	72.2	20	6	US-10-008-1408-30
6	13	72.2	418	9	US-10-450-763-11805
7	13	72.2	3286	8	US-10-723-860-5790
8	13	72.2	5132	8	US-10-723-860-5790
9	13	72.2	92726	3	US-09-997-722-193
10	13	72.2	165221	5	US-10-087-192-1015
11	13	72.2	167163	7	US-10-394-948-31
12	12	66.7	12	2	US-08-887-505-47
13	12	66.7	12	5	US-10-291-230-43
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Sequence 22, Appl

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c 100	12	66.7	23	5	US-10-053-883-112	Sequence 112, Appl	c 173	12	66.7	177	3	US-09-899-082A-69	Sequence 69, Appl
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114	12	66.7	24	2	US-08-887-505-148	Sequence 148, Appl	c 187	12	66.7	177	3	US-09-899-302-69	Sequence 69, Appl
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116	12	66.7	24	2	US-08-887-505-150	Sequence 150, Appl	c 189	12	66.7	177	3	US-09-899-302-72	Sequence 72, Appl
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122	12	66.7	24	2	US-08-887-505-156	Sequence 156, Appl	c 195	12	66.7	177	3	US-09-899-302-78	Sequence 78, Appl
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c 126	12	66.7	25	5	US-10-291-230-39	Sequence 39, Appl	c 199	12	66.7	177	3	US-09-899-044-67	Sequence 67, Appl
c 127	12	66.7	25	5	US-10-291-230-47	Sequence 47, Appl	c 200	12	66.7	177	3	US-09-899-044-68	Sequence 68, Appl
c 128	12	66.7	25	6	US-10-291-243-39	Sequence 39, Appl	c 201	12	66.7	177	3	US-09-899-044-69	Sequence 69, Appl
c 129	12	66.7	25	6	US-10-291-249-47	Sequence 47, Appl	c 202	12	66.7	177	3	US-09-899-044-70	Sequence 70, Appl
c 130	12	66.7	25	7	US-10-719-956-140305	Sequence 140305, A	c 203	12	66.7	177	3	US-09-899-044-72	Sequence 72, Appl
c 131	12	66.7	25	8	US-10-719-900-205441	Sequence 205441, A	c 204	12	66.7	177	3	US-09-899-044-73	Sequence 73, Appl
c 132	12	66.7	25	9	US-10-956-157-252648	Sequence 252648, A	c 205	12	66.7	177	3	US-09-899-044-74	Sequence 74, Appl
c 133	12	66.7	25	9	US-10-956-157-252659	Sequence 252659, A	c 206	12	66.7	177	3	US-09-899-044-75	Sequence 75, Appl
c 134	12	66.7	25	10	US-11-036-317-543704	Sequence 543704, A	c 207	12	66.7	177	3	US-09-899-044-76	Sequence 76, Appl
c 135	12	66.7	27	5	US-10-053-883-12	Sequence 12, Appl	c 208	12	66.7	177	3	US-09-899-044-77	Sequence 77, Appl
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c 148	12	66.7	48	9	US-10-842-741B-1	Sequence 1, Appli	c 221	12	66.7	177	8	US-10-822-711-76	Sequence 76, Appl
c 149	12	66.7	48	9	US-10-842-741B-2	Sequence 2, Appli	c 222	12	66.7	177	8	US-10-822-711-77	Sequence 77, Appl
c 150	12	66.7	86	7	US-10-461-790-141	Sequence 141, App	c 223	12	66.7	177	8	US-10-822-711-78	Sequence 78, Appl
c 151	12	66.7	97	6	US-10-029-386-15052	Sequence 15052, A	c 224	12	66.7	177	8	US-10-822-711-79	Sequence 79, Appl
c 152	12	66.7	124	6	US-10-029-386-14059	Sequence 14059, A	c 225	12	66.7	177	8	US-10-822-711-80	Sequence 80, Appl
c 153	12	66.7	138	6	US-10-029-386-15594	Sequence 15594, A	c 226	12	66.7	178	3	US-09-294-121A-59	Sequence 59, Appl
c 154	12	66.7	168	8	US-10-425-115-1205	Sequence 1205, Ap	c 227	12	66.7	178	3	US-09-294-121A-71	Sequence 71, Appl
c 155	12	66.7	175	7	US-10-424-599-115511	Sequence 115511, A	c 228	12	66.7	178	3	US-09-899-082A-59	Sequence 59, Appl
c 156	12	66.7	177	3	US-09-294-121A-61	Sequence 61, Appl	c 229	12	66.7	178	3	US-09-899-082A-71	Sequence 71, Appl
c 157	12	66.7	177	3	US-09-294-121A-67	Sequence 67, Appl	c 230	12	66.7	178	3	US-09-899-302-59	Sequence 59, Appl
c 158	12	66.7	177	3	US-09-294-121A-68	Sequence 68, Appl	c 231	12	66.7	178	3	US-09-899-302-71	Sequence 71, Appl
c 159	12	66.7	177	3	US-09-294-121A-69	Sequence 69, Appl	c 232	12	66.7	178	3	US-09-899-302-72	Sequence 72, Appl
c 160	12	66.7	177	3	US-09-294-121A-70	Sequence 70, Appl	c 233	12	66.7	178	3	US-09-899-044-71	Sequence 71, Appl
c 161	12	66.7	177	3	US-09-294-121A-72	Sequence 72, Appl	c 234	12	66.7	178	8	US-10-822-711-59	Sequence 59, Appl
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c 163	12	66.7	177	3	US-09-294-121A-75	Sequence 75, Appl	c 236	12	66.7	190	6	US-10-029-386-22536	Sequence 22536, A
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c 165	12	66.7	177	3	US-09-294-121A-77	Sequence 77, Appl	c 238	12	66.7	194	7	US-10-085-783A-4002	Sequence 4002, Ap
c 166	12	66.7	177	3	US-09-294-121A-78	Sequence 78, Appl	c 239	12	66.7	201	7	US-10-741-601-15976	Sequence 15976, A
c 167	12	66.7	177	3	US-09-294-121A-79	Sequence 79, Appl	c 240	12	66.7	201	8	US-10-719-993-5122	Sequence 5122, Ap
c 168	12	66.7	177	3	US-09-294-121A-80	Sequence 80, Appl	c 241	12	66.7	201	8	US-10-719-993-5152	Sequence 5152, Ap
c 169	12	66.7	177	3	US-09-294-121A-80	Sequence 80, Appl	c 242	12	66.7	201	8	US-10-719-993-5181	Sequence 5181, Ap

C 243	12	66.7	201	8	US-10-719-993-5211	Sequence 5211, Ap	C 316	12	66.7	267	9	US-10-363-177A-69	Sequence 69, Appl	
C 244	12	66.7	201	8	US-10-719-993-5211	Sequence 5241, Ap	C 317	12	66.7	271	9	US-10-920-040-1	Sequence 1, Appl	
C 245	12	66.7	201	8	US-10-719-993-5270	Sequence 5270, Ap	C 318	12	66.7	278	3	US-09-294-093B-1960	Sequence 1960, Ap	
C 246	12	66.7	201	8	US-10-719-993-5288	Sequence 5288, Ap	C 319	12	66.7	278	3	US-09-294-093B-2729	Sequence 2729, Ap	
C 247	12	66.7	201	8	US-10-719-993-9591	Sequence 9591, Ap	C 320	12	66.7	278	8	US-10-653-047-3593	Sequence 3593, Ap	
C 248	12	66.7	201	8	US-10-719-993-26387	Sequence 26387, A	C 321	12	66.7	278	9	US-10-363-177A-67	Sequence 67, Appl	
C 249	12	66.7	201	8	US-10-719-993-26388	Sequence 26388, A	C 322	12	66.7	281	3	US-09-940-925A-121	Sequence 121, App	
C 250	12	66.7	201	8	US-10-719-993-26511	Sequence 26511, A	C 323	12	66.7	281	3	US-09-940-925A-126	Sequence 126, App	
C 251	12	66.7	201	8	US-10-719-993-26602	Sequence 26602, A	C 324	12	66.7	281	3	US-09-940-925A-127	Sequence 127, App	
C 252	12	66.7	201	8	US-10-719-993-50021	Sequence 50021, A	C 325	12	66.7	281	3	US-09-940-925A-128	Sequence 128, App	
C 253	12	66.7	201	8	US-10-719-993-50033	Sequence 50033, A	C 326	12	66.7	281	3	US-09-940-925A-132	Sequence 132, App	
C 254	12	66.7	201	8	US-10-719-993-50034	Sequence 50034, A	C 327	12	66.7	281	3	US-09-941-193A-121	Sequence 121, App	
C 255	12	66.7	201	8	US-10-719-993-52863	Sequence 52863, A	C 328	12	66.7	281	3	US-09-941-193A-126	Sequence 126, App	
C 256	12	66.7	201	8	US-10-741-600-16871	Sequence 16871, A	C 329	12	66.7	281	3	US-09-941-193A-127	Sequence 127, App	
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QY      6 CCUGGAGNNNNN 18
      ||:|||||
Db      140 CCTGGAGNNNNN 152

RESULT 7
US-10-723-860-5790/c
; Sequence 5790, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5790
; LENGTH: 3286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (248)..(271)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5790

Query Match      72.2%; Score 13; DB 8; Length 3286;
Best Local Similarity 92.3%; Pred. No. 1.2e+02;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 CCUGGAGNNNNN 18
      ||:|||||
Db      278 CCTGGAGNNNNN 266

RESULT 8
US-10-723-860-5700/c
; Sequence 5700, Application US/10723860
; Publication No. US20040253606A1
; GENERAL INFORMATION:
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsburg, Wendy M.
; APPLICANT: Zlotnik, Albert
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions &
; FILE REFERENCE: 05882.0193.NPUS01
; CURRENT APPLICATION NUMBER: US/10/723,860
; CURRENT FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/429,739
; PRIOR FILING DATE: 2002-11-26
; NUMBER OF SEQ ID NOS: 8393
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5700
; LENGTH: 3286
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (248)..(271)
; OTHER INFORMATION: n is a, c, g, or t
US-10-723-860-5700

Query Match      72.2%; Score 13; DB 8; Length 5132;
Best Local Similarity 92.3%; Pred. No. 1.1e+02;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 CCUGGAGNNNNN 18
      ||:|||||
Db      1012 CCTGGAGNNNNN 1000

RESULT 9
US-09-997-722-193/c
; Sequence 193, Application US/09997722
; Publication No. US20040072154A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER
; FILE REFERENCE: A-71171/RMS/DCF
; CURRENT APPLICATION NUMBER: US/09/997,722
; CURRENT FILING DATE: 2001-11-30
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 301
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 193
; LENGTH: 92726
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (122)..(148)
; OTHER INFORMATION: "n" at positions 122 through 148 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (3122)..(3263)
; OTHER INFORMATION: "n" at positions 3122 through 3263 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (7485)..(8927)
; OTHER INFORMATION: "n" at positions 7485 through 8927 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (24884)..(25439)
; OTHER INFORMATION: "n" at positions 24884 through 25439 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (36036)..(36055)
; OTHER INFORMATION: "n" at positions 36036 through 36055 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (46607)..(46729)
; OTHER INFORMATION: "n" at positions 46607 through 46729 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (77651)..(77670)
; OTHER INFORMATION: "n" at positions 77651 through 77670 can be any base.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (81264)..(81462)
; OTHER INFORMATION: "n" at positions 81264 through 81462 can be any base.
; FEATURE:
```

```
; NAME/KEY: misc feature
; LOCATION: (89156)..(89175)
; OTHER INFORMATION: "n" at positions 89156 through 89175 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (90342)..(90361)
; OTHER INFORMATION: "n" at positions 90342 through 90361 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (91379)..(91398)
; OTHER INFORMATION: "n" at positions 91379 through 91398 can be any base.
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (92723)..(92726)
; OTHER INFORMATION: "n" at positions 92723 through 92726 can be any base.
; OTHER INFORMATION: "n" at positions 92723 through 92726 can be any base.
US-09-997-722-193

Query Match          72.2%; Score 13; DB 3; Length 92726;
Best Local Similarity 92.3%; Pred. No. 51;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 CCUGGAGNNNNNN 18
Db      155 CCTGGAGNNNNNN 143

RESULT 10
US-10-087-192-1015
; Sequence 1015, Application US/10087192
; Publication No. US20020182586A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Engelhard, Eric K.
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: CANCER
; CURRENT APPLICATION NUMBER: US/10/087,192
; PRIOR FILING DATE: 2002-03-01
; PRIOR APPLICATION NUMBER: US 09/747,377
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 2059
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1015
; LENGTH: 165221
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(165221)
; OTHER INFORMATION: n = A,T,C or G
US-10-087-192-1015

Query Match          72.2%; Score 13; DB 5; Length 165221;
Best Local Similarity 92.3%; Pred. No. 44;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 CCUGGAGNNNNNN 18
Db      59475 CCTGGAGNNNNNN 59487

RESULT 11
US-10-394-948-31
; Sequence 31, Application US/10394948
; Publication No. US20040023267A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; TITLE OF INVENTION: No. US20040023267A1el Compositions and Methods in Cancer
; FILE REFERENCE: 529452000900
; CURRENT APPLICATION NUMBER: US/10/394,948
; CURRENT FILING DATE: 2003-03-21
```

```
; PRIOR APPLICATION NUMBER: US 60/367,025
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 167163
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(167163)
; OTHER INFORMATION: n = A,T,C or G
US-10-394-948-31

Query Match          72.2%; Score 13; DB 7; Length 167163;
Best Local Similarity 92.3%; Pred. No. 44;
Matches 12; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      6 CCUGGAGNNNNNN 18
Db      62041 CCTGGAGNNNNNN 62053

RESULT 12
US-08-887-505-47
; Sequence 47, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuekie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 47:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: RNA
; HYPOTHETICAL: NO
```

```
; ANTI-SENSE: YES
US-08-887-505-47

Query Match          66.7%; Score 12; DB 2; Length 12;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||
Db 1 GGGGUCCUGGAG 12

RESULT 13
US-10-291-230-43/c
; Sequence 43, Application US/10291230
; Publication No. US20030108339A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.A
; CURRENT APPLICATION NUMBER: US/10/291,230
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A portion of an antisense library including a BpmI site.
; NAME/KEY: misc_feature
; LOCATION: (1)..(6)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-230-43

Query Match          66.7%; Score 12; DB 5; Length 12;
Best Local Similarity 91.7%; Pred. No. 1.9e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
    |:|||||
Db 12 CTGGAGNNNNN 1

RESULT 14
US-10-291-249-43/c
; Sequence 43, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; CURRENT APPLICATION NUMBER: US 60/079,792
; CURRENT FILING DATE: 1998-03-28
```

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```
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A portion of an antisense library including a BpmI site.
; NAME/KEY: misc_feature
; LOCATION: (1)..(6)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.
US-10-291-249-43

Query Match          66.7%; Score 12; DB 6; Length 12;
Best Local Similarity 91.7%; Pred. No. 1.9e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
    |:|||||
Db 12 CTGGAGNNNNN 1

RESULT 15
US-10-322-138-5/c
; Sequence 5, Application US/10322138
; Publication No. US20030175765A1
; GENERAL INFORMATION:
; APPLICANT: Kessler, Christoph
; APPLICANT: Haberhausen, Gerd
; APPLICANT: Bartl, Knut
; APPLICANT: Orum, Henrik
; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
; FILE REFERENCE: 4817/OO
; CURRENT APPLICATION NUMBER: US/10/322,138
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US/09/530,746B
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 12
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: probe
US-10-322-138-5

Query Match          66.7%; Score 12; DB 6; Length 12;
Best Local Similarity 83.3%; Pred. No. 1.9e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||
Db 12 GGGGTCTGTGGAG 1

RESULT 16
US-09-504-231A-1587/c
; Sequence 1587, Application US/09504231A
; Patent No. US20020013458A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggen, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: IPI 247/282
; CURRENT APPLICATION NUMBER: US/09/504,231A
```



```
; CURRENT FILING DATE: 2000-02-15
; PRIOR APPLICATION NUMBER: 09/274,553
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3.0
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1587
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-504-231A-1587

Query Match          66.7%; Score 12; DB 3; Length 15;
Best Local Similarity 83.3%; Pred. No. 1.8e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:||||
Db 15 GGGGTCCTGGAG 4

RESULT 17
US-09-274-553D-1587/c
; Sequence 1587, Application US/09274553D
; Patent No. US20020082228A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Lawrence
; APPLICANT: McSwiggan, James
; APPLICANT: Roberts, Beth
; APPLICANT: Pavco, Pamela
; APPLICANT: Macejak, Dennis
; TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES OR CONDITIONS RELATE
; FILE REFERENCE: rpi 247/282
; CURRENT APPLICATION NUMBER: US/09/274,553D
; CURRENT FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/257,608
; PRIOR FILING DATE: 1999-02-24
; PRIOR APPLICATION NUMBER: 60/100,842
; PRIOR FILING DATE: 1998-09-18
; PRIOR APPLICATION NUMBER: 60/083,217
; PRIOR FILING DATE: 1998-04-27
; NUMBER OF SEQ ID NOS: 3.0
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1587
; LENGTH: 15
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid Target
US-09-274-553D-1587

Query Match          66.7%; Score 12; DB 3; Length 15;
Best Local Similarity 83.3%; Pred. No. 1.8e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:||||
Db 15 GGGGTCCTGGAG 4

RESULT 18
US-09-740-332-26/c
; Sequence 26, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
```

```
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-26

Query Match          66.7%; Score 12; DB 3; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.8e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:||||
Db 13 GGGGTCCTGGAG 2

RESULT 19
US-09-740-332-4529
; Sequence 4529, Application US/09740332
; Publication No. US20030125270A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: RPI 400/003
; CURRENT APPLICATION NUMBER: US/09/740,332
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9704
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 4529
; LENGTH: 17
; TYPE: RNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-740-332-4529

Query Match          66.7%; Score 12; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:||||
Db 6 GGGGUCCUGGAG 17

RESULT 20
US-09-817-879-26/c
; Sequence 26, Application US/09817879
; Publication No. US20030171311A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
; FILE REFERENCE: MBH00-801-F
; CURRENT APPLICATION NUMBER: US/09/817,879
; CURRENT FILING DATE: 2001-03-26
; NUMBER OF SEQ ID NOS: 9703
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 26
```

;  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-26

Query Match 66.7%; Score 12; DB 3; Length 17;  
Best Local Similarity 83.3%; Pred. No. 1.8e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
| | | | | | | | | |  
Db 13 GGGGTCCTGGAG 2

RESULT 21  
US-09-817-879-4529  
; Sequence 4529, Application US/09817879  
; Publication No. US20030171311A1  
; GENERAL INFORMATION:  
; APPLICANT: Ribozyme Pharmaceuticals Inc.  
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to Hepatitis C Virus Infection  
; FILE REFERENCE: MBH00-801-F  
; CURRENT APPLICATION NUMBER: US/09/817,879  
; CURRENT FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 9703  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 4529  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-09-817-879-4529

Query Match 66.7%; Score 12; DB 3; Length 17;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
| | | | | | | | | |  
Db 6 GGGGUCCUGGAG 17

RESULT 22  
US-10-298-255-4/c  
; Sequence 4, Application US/10298255  
; Publication No. US20030134312A1  
; GENERAL INFORMATION:  
; APPLICANT: BURGOYNE, LEIGH A.  
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL  
; FILE REFERENCE: 45858-56064  
; CURRENT APPLICATION NUMBER: US/10/298,255  
; CURRENT FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: 60/336,005  
; PRIOR FILING DATE: 2001-11-15  
; NUMBER OF SEQ ID NOS: 7  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 17  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Primer  
US-10-298-255-4

Query Match 66.7%; Score 12; DB 6; Length 17;

Best Local Similarity 83.3%; Pred. No. 1.8e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
| | | | | | | | | |  
Db 16 GGGGTCCTGGAG 5

RESULT 23  
US-10-669-841-2619/c  
; Sequence 2619, Application US/10669841  
; Publication No. US20040127446A1  
; GENERAL INFORMATION:  
; APPLICANT: Sirna Therapeutics, Inc.  
; APPLICANT: Lawrence, Blatt  
; APPLICANT: Dennis, Macejak  
; APPLICANT: James, McSwiggen  
; APPLICANT: David, Morrissey  
; APPLICANT: Pamela, Pavco  
; APPLICANT: Patrice, Lee  
; APPLICANT: Kenneth, Draper  
; APPLICANT: Elisabeth, Roberts  
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS C VIRUS  
; TITLE OF INVENTION: VIRUS REPLICATION  
; FILE REFERENCE: 400/042US (MEH02-249-E)  
; CURRENT APPLICATION NUMBER: US/10/669,841  
; CURRENT FILING DATE: 2003-09-23  
; PRIOR APPLICATION NUMBER: PCT/US02/09187  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: US 60/296,876  
; PRIOR FILING DATE: 2001-06-08  
; PRIOR APPLICATION NUMBER: US 60/335,059  
; PRIOR FILING DATE: 2001-10-24  
; PRIOR APPLICATION NUMBER: US 60/337,055  
; PRIOR FILING DATE: 2001-12-05  
; PRIOR APPLICATION NUMBER: US 60/358,580  
; PRIOR FILING DATE: 2002-02-20  
; PRIOR APPLICATION NUMBER: US 60/363,124  
; PRIOR FILING DATE: 2002-03-11  
; PRIOR APPLICATION NUMBER: US 09/817,879  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 09/740,332  
; PRIOR FILING DATE: 2000-12-18  
; PRIOR APPLICATION NUMBER: US 09/611,931  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: US 09/504,321  
; PRIOR FILING DATE: 2000-02-15  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 16207  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2619  
; LENGTH: 17  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION:  
; OTHER INFORMATION: oligonucleotide substrate  
US-10-669-841-2619

Query Match 66.7%; Score 12; DB 7; Length 17;  
Best Local Similarity 83.3%; Pred. No. 1.8e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
| | | | | | | | | |  
Db 13 GGGGTCCTGGAG 2

RESULT 24  
US-10-669-841-7122

```
; Sequence 7122, Application US/10669841
; Publication No. US20040127446A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics, Inc.
; APPLICANT: Lawrence, Blatt
; APPLICANT: Dennis, Macejak
; APPLICANT: James, McSwiggan
; APPLICANT: David, Morrissey
; APPLICANT: Pamela, Pavco
; APPLICANT: Patricia, Lee
; APPLICANT: Kenneth, Draper
; APPLICANT: Elisabeth, Roberts
; TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIS C VIRUS
; FILE REFERENCE: 400/042US (MEHB02-249-E)
; CURRENT APPLICATION NUMBER: US/10/669,841
; CURRENT FILING DATE: 2003-09-23
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: US 60/296,876
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 60/335,059
; PRIOR FILING DATE: 2001-10-24
; PRIOR APPLICATION NUMBER: US 60/337,055
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: US 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: US 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: US 09/817,879
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 09/740,332
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 09/611,931
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: US 09/504,321
; PRIOR FILING DATE: 2000-02-15
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 16207
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 7122
; LENGTH: 17
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
; NAME/KEY: misc_feature
; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
; US-10-669-841-7122

Query Match 66.7%; Score 12; DB 7; Length 17;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 6 GGGGUCCUGGAG 17

RESULT 25
US-11-016-291-4/c
; Sequence 4, Application US/11016291
; Publication No. US20050095641A1
; GENERAL INFORMATION:
; APPLICANT: BURGONE, LEIGH A.
; TITLE OF INVENTION: METHODS AND MATERIALS FOR DETECTING GENETIC MATERIAL
; FILE REFERENCE: 45858-56064
; CURRENT APPLICATION NUMBER: US/11/016,291
; CURRENT FILING DATE: 2004-12-17
; PRIOR APPLICATION NUMBER: 60/336,005
; PRIOR FILING DATE: 2001-11-15
```

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; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 4
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Primer
; US-11-016-291-4

Query Match 66.7%; Score 12; DB 10; Length 17;
Best Local Similarity 83.3%; Pred. No. 1.8e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 16 GGGGUCCUGGAG 5

RESULT 26
US-08-887-505-39
; Sequence 39, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Keirner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-39

Query Match 66.7%; Score 12; DB 2; Length 18;
```

Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGUCCUGGAG 12

## RESULT 27

US-08-887-505-40  
; Sequence 40, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 40:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES

## US-08-887-505-40

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 7 GGGGUCCUGGAG 18

## RESULT 28

US-08-887-505-41  
; Sequence 41, Application US/08887505

Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 41:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES

## US-08-887-505-41

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGUCCUGGAG 12

## RESULT 29

US-08-887-505-42  
; Sequence 42, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR

```
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
; US-08-887-505-42
;
; Query Match 66.7%; Score 12; DB 2; Length 18;
; Best Local Similarity 100.0%; Pred. No. 1.8e+03;
; Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 GGGGUCCUGGAG 12
; DB 7 GGGGUCCUGGAG 18
;
; RESULT 30
; US-08-887-505-43
; Sequence 43, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
; US-08-887-505-42
```

```
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
; US-08-887-505-43
;
; Query Match 66.7%; Score 12; DB 2; Length 18;
; Best Local Similarity 100.0%; Pred. No. 1.8e+03;
; Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 GGGGUCCUGGAG 12
; DB 1 GGGGUCCUGGAG 12
;
; RESULT 31
; US-08-887-505-44
; Sequence 44, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
```

; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 44:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-44

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 7 GGGGUCCUGGAG 18

RESULT 32  
US-08-887-505-45  
; Sequence 45, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 45:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single

; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-45

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGUCCUGGAG 12

RESULT 33  
US-08-887-505-46  
; Sequence 46, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 46:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-46

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

```
Db      7 GGGGUCCUGAG 18
|||||
RESULT 34
US-08-887-505-49
; Sequence 49, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-49
Query Match      66.7%; Score 12; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGAG 12
|||||
Db      1 GGGGUCCUGAG 12
|||||
RESULT 35
US-08-887-505-50
; Sequence 50, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 49:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-50
Query Match      66.7%; Score 12; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGAG 12
|||||
Db      1 GGGGUCCUGAG 12
|||||
RESULT 36
US-08-887-505-51
; Sequence 51, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-50
Query Match      66.7%; Score 12; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGAG 12
|||||
Db      7 GGGGUCCUGAG 18
|||||
RESULT 36
US-08-887-505-51
; Sequence 51, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 50:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-887-505-50
Query Match      66.7%; Score 12; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGAG 12
|||||
Db      7 GGGGUCCUGAG 18
|||||
```

```
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-51

Query Match 66.7%; Score 12; DB 2; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 37
US-08-887-505-52
; Sequence 52, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-51
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; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-52

Query Match 66.7%; Score 12; DB 2; Length 18;
Best Local Similarity 83.3%; Pred. No. 1.8e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 7 GGGGTCTCTGGAG 18

RESULT 38
US-08-887-505-53
; Sequence 53, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-52
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TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 53:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-53

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
DB 1 GGGGUCCUGGAG 12

## RESULT 39

US-08-887-505-54  
Sequence 54, Application US/08887505  
Publication No. US20020081577A1

GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:

CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 54:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES

US-08-887-505-54

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
DB 7 GGGGUCCUGGAG 18

## RESULT 40

US-08-887-505-141  
Sequence 141, Application US/08887505  
Publication No. US20020081577A1

GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:

CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000

INFORMATION FOR SEQ ID NO: 141:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-141

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
DB 7 GGGGUCCUGGAG 18

## RESULT 41

US-08-887-505-142  
; Sequence 142, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 142:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-142

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||  
Db 7 GGGGUCCUGGAG 18

## RESULT 42

US-08-887-505-143  
; Sequence 143, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.

; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 143:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-143

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||  
Db 7 GGGGUCCUGGAG 18

## RESULT 43

US-08-887-505-144  
; Sequence 144, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA

US-08-887-505-144

US-08-887-505-144  
; Sequence 144, Application US/08887505  
; Publication No. US20020081577A1

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||  
Db 7 GGGGUCCUGGAG 18

ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HY2-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 144:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-144

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||  
Db 7 GGGGUCCUGGAG 18

RESULT 44  
US-08-887-505-145  
Sequence 145, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HY2-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 145:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 18 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-145

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||  
Db 1 GGGGUCCUGGAG 12

RESULT 45  
US-08-887-505-146  
Sequence 146, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HY2-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 146:  
SEQUENCE CHARACTERISTICS:

;  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-146

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. NO. 1.8e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGUCCUGGAG 12

RESULT 46  
US-08-887-505-147  
; Sequence 147, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HY2-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 147:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 18 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-147

Query Match 66.7%; Score 12; DB 2; Length 18;  
Best Local Similarity 100.0%; Pred. NO. 1.8e+03;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGUCCUGGAG 12

RESULT 47  
US-09-782-361-14  
; Sequence 14, Application US/09782361  
; Patent No. US20020064778A1  
; GENERAL INFORMATION:  
; APPLICANT: Hu, Yu-Wen  
; TITLE OF INVENTION: PRIMER-SPECIFIC AND MISPAIR EXTENSION ASSAY FOR IDENTIFYING GEN  
; TITLE OF INVENTION: VARIATION  
; FILE REFERENCE: 2883-4757US  
; CURRENT APPLICATION NUMBER: US/09/782,361  
; CURRENT FILING DATE: 2001-02-13  
; NUMBER OF SEQ ID NOS: 49  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 14  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: primer for PSMEA  
US-09-782-361-14

Query Match 66.7%; Score 12; DB 3; Length 19;  
Best Local Similarity 83.3%; Pred. NO. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 2 GGGGTCTCTGGAG 13

RESULT 48  
US-10-461-790-121/c  
; Sequence 121, Application US/10461790  
; Publication No. US20040029111A1  
; GENERAL INFORMATION:  
; APPLICANT: Linnen, Jeffery M.  
; APPLICANT: Kolik, Daniel P.  
; APPLICANT: Dockter, Janel M.  
; APPLICANT: Getman, Damon K.  
; APPLICANT: Yoshimura, Tadashi  
; APPLICANT: Ho-Sing-Loy, Marcy  
; APPLICANT: Stringfellow, Leslie A.  
; TITLE OF INVENTION: Compositions and Methods for Detecting  
; TITLE OF INVENTION: Hepatitis B Virus  
; FILE REFERENCE: GPI34-02.UT  
; CURRENT APPLICATION NUMBER: US/10/461,790  
; CURRENT FILING DATE: 2003-06-13  
; PRIOR APPLICATION NUMBER: 60/389,393  
; PRIOR FILING DATE: 2002-06-14  
; NUMBER OF SEQ ID NOS: 142  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 121  
; LENGTH: 19  
; TYPE: DNA  
; ORGANISM: Hepatitis C Virus  
US-10-461-790-121

Query Match 66.7%; Score 12; DB 7; Length 19;  
Best Local Similarity 83.3%; Pred. NO. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 15 GGGGTCTCTGGAG 4

```
RESULT 49
US-10-667-271-466/c
; Sequence 466, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MEHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US/10/667,271
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 466
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-466

Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:||||
Db 13 GGGGTCCTGGAG 2

RESULT 50
US-10-667-271-467/c
; Sequence 467, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MEHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US/10/667,271
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 466
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-466

Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:||||
Db 13 GGGGTCCTGGAG 2

RESULT 51
US-10-667-271-498/c
; Sequence 498, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MEHB02-763B)
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US/10/667,271
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 467
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-467
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/ NUMBER OF SEQ ID NOS: 1705
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 498
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-498

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 16 GGGGTCCTGGAG 5

RESULT 52
US-10-667-271-500/c
/ Sequence 500, Application US/10667271
/ Publication No. US20040209831A1
/ GENERAL INFORMATION:
/ APPLICANT: Sirna Therapeutics
/ APPLICANT: McSwiggen, James
/ APPLICANT: Macejak, Dennis
/ APPLICANT: Beigelman, Leonid
/ APPLICANT: Morrissey, David
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 400/129 (MBHB02-763B)
/ CURRENT APPLICATION NUMBER: US/10/667,271
/ CURRENT FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: PCT / US03/05043
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT / US02/09187
/ PRIOR FILING DATE: 2002-03-26
/ PRIOR APPLICATION NUMBER: USSN 60/401,104
/ PRIOR FILING DATE: 2002-08-05
/ PRIOR APPLICATION NUMBER: USSN 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: USSN 60/363,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: USSN 60/386,782
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: USSN 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: USSN 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: USSN 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1705
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 500
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-500

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 14 GGGGTCCTGGAG 3

RESULT 54
US-10-667-271-538/c
/ Sequence 538, Application US/10667271
/ Publication No. US20040209831A1
/ GENERAL INFORMATION:
/ APPLICANT: Sirna Therapeutics
/ APPLICANT: McSwiggen, James
/ APPLICANT: Macejak, Dennis
/ APPLICANT: Beigelman, Leonid
/ APPLICANT: Morrissey, David
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 400/129 (MBHB02-763B)
/ CURRENT APPLICATION NUMBER: US/10/667,271
/ CURRENT FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
```

```
RESULT 53
US-10-667-271-502/c
/ Sequence 502, Application US/10667271
/ Publication No. US20040209831A1
/ GENERAL INFORMATION:
/ APPLICANT: Sirna Therapeutics
/ APPLICANT: McSwiggen, James
/ APPLICANT: Macejak, Dennis
/ APPLICANT: Beigelman, Leonid
/ APPLICANT: Morrissey, David
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 400/129 (MBHB02-763B)
/ CURRENT APPLICATION NUMBER: US/10/667,271
/ CURRENT FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
/ PRIOR APPLICATION NUMBER: PCT / US03/05043
/ PRIOR FILING DATE: 2003-02-20
/ PRIOR APPLICATION NUMBER: PCT / US02/09187
/ PRIOR FILING DATE: 2002-03-26
/ PRIOR APPLICATION NUMBER: USSN 60/401,104
/ PRIOR FILING DATE: 2002-08-05
/ PRIOR APPLICATION NUMBER: USSN 60/358,580
/ PRIOR FILING DATE: 2002-02-20
/ PRIOR APPLICATION NUMBER: USSN 60/363,124
/ PRIOR FILING DATE: 2002-03-11
/ PRIOR APPLICATION NUMBER: USSN 60/386,782
/ PRIOR FILING DATE: 2002-06-06
/ PRIOR APPLICATION NUMBER: USSN 60/406,784
/ PRIOR FILING DATE: 2002-08-29
/ PRIOR APPLICATION NUMBER: USSN 60/408,378
/ PRIOR FILING DATE: 2002-09-05
/ PRIOR APPLICATION NUMBER: USSN 60/409,293
/ PRIOR FILING DATE: 2002-09-09
/ Remaining Prior Application data removed - See File Wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 1705
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 502
/ LENGTH: 19
/ TYPE: RNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-502

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    ||||:||||
Db 15 GGGGTCCTGGAG 4

RESULT 54
US-10-667-271-538/c
/ Sequence 538, Application US/10667271
/ Publication No. US20040209831A1
/ GENERAL INFORMATION:
/ APPLICANT: Sirna Therapeutics
/ APPLICANT: McSwiggen, James
/ APPLICANT: Macejak, Dennis
/ APPLICANT: Beigelman, Leonid
/ APPLICANT: Morrissey, David
/ TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
/ FILE REFERENCE: 400/129 (MBHB02-763B)
/ CURRENT APPLICATION NUMBER: US/10/667,271
/ CURRENT FILING DATE: 2003-09-16
/ PRIOR APPLICATION NUMBER: US 10/444,853
/ PRIOR FILING DATE: 2003-05-23
```

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; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2003-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-538
Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 18 GGGGTCTGGAG 7

RESULT 55
US-10-667-271-544/c
; Sequence 544, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-538
Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 18 GGGGTCTGGAG 7

RESULT 55
US-10-667-271-544/c
; Sequence 544, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
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; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 544
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-544
Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 19 GGGGTCTGGAG 8

RESULT 56
US-10-667-271-545/c
; Sequence 545, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 545
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-667-271-545
Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 17 GGGGTCTGGAG 6
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RESULT 57
US-10-667-271-1162
; Sequence 1162, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1162
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1162

Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 58
US-10-667-271-1163
; Sequence 1163, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
```

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; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1163
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1163

Query Match 66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 8 GGGGUCCUGGAG 19

RESULT 59
US-10-667-271-1194
; Sequence 1194, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH02-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
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; PRIOR FILING DATE: 2002-09-09  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 1705  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1194  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
US-10-667-271-1194

Query Match 66.7%; Score 12; DB 8; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||  
Db 4 GGGGUCCUGGAG 15

RESULT 60  
US-10-667-271-1196  
; Sequence 1196, Application US/10667271  
; Publication No. US20040209831A1  
; GENERAL INFORMATION:  
; APPLICANT: Sirna Therapeutics  
; APPLICANT: McSwiggen, James  
; APPLICANT: Macejak, Dennis  
; APPLICANT: Beigelman, Leonid  
; APPLICANT: Morrissey, David  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)  
; FILE REFERENCE: 400/129 (MBH02-763B)  
; CURRENT APPLICATION NUMBER: US/10/667,271  
; CURRENT FILING DATE: 2003-09-16  
; PRIOR APPLICATION NUMBER: US 10/444,853  
; PRIOR FILING DATE: 2003-05-23  
; PRIOR APPLICATION NUMBER: PCT / US03/05043  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: PCT / US02/09187  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: USSN 60/401,104  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: USSN 60/358,580  
; PRIOR FILING DATE: 2002-02-20  
; PRIOR APPLICATION NUMBER: USSN 60/363,124  
; PRIOR FILING DATE: 2002-03-11  
; PRIOR APPLICATION NUMBER: USSN 60/386,782  
; PRIOR FILING DATE: 2002-06-06  
; PRIOR APPLICATION NUMBER: USSN 60/406,784  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: USSN 60/408,378  
; PRIOR FILING DATE: 2002-09-05  
; PRIOR APPLICATION NUMBER: USSN 60/409,293  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 1705  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1196  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
US-10-667-271-1196

Query Match 66.7%; Score 12; DB 8; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||

Db 6 GGGGUCCUGGAG 17  
RESULT 61  
US-10-667-271-1198  
; Sequence 1198, Application US/10667271  
; Publication No. US20040209831A1  
; GENERAL INFORMATION:  
; APPLICANT: Sirna Therapeutics  
; APPLICANT: McSwiggen, James  
; APPLICANT: Macejak, Dennis  
; APPLICANT: Beigelman, Leonid  
; APPLICANT: Morrissey, David  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)  
; FILE REFERENCE: 400/129 (MBH02-763B)  
; CURRENT APPLICATION NUMBER: US/10/667,271  
; CURRENT FILING DATE: 2003-09-16  
; PRIOR APPLICATION NUMBER: US 10/444,853  
; PRIOR FILING DATE: 2003-05-23  
; PRIOR APPLICATION NUMBER: PCT / US03/05043  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: PCT / US02/09187  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: USSN 60/401,104  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: USSN 60/358,580  
; PRIOR FILING DATE: 2002-02-20  
; PRIOR APPLICATION NUMBER: USSN 60/363,124  
; PRIOR FILING DATE: 2002-03-11  
; PRIOR APPLICATION NUMBER: USSN 60/386,782  
; PRIOR FILING DATE: 2002-06-06  
; PRIOR APPLICATION NUMBER: USSN 60/406,784  
; PRIOR FILING DATE: 2002-08-29  
; PRIOR APPLICATION NUMBER: USSN 60/408,378  
; PRIOR FILING DATE: 2002-09-05  
; PRIOR APPLICATION NUMBER: USSN 60/409,293  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 1705  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1198  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region  
US-10-667-271-1198  
Query Match 66.7%; Score 12; DB 8; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||  
Db 5 GGGGUCCUGGAG 16

RESULT 62  
US-10-667-271-1234  
; Sequence 1234, Application US/10667271  
; Publication No. US20040209831A1  
; GENERAL INFORMATION:  
; APPLICANT: Sirna Therapeutics  
; APPLICANT: McSwiggen, James  
; APPLICANT: Macejak, Dennis  
; APPLICANT: Beigelman, Leonid  
; APPLICANT: Morrissey, David  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)  
; FILE REFERENCE: 400/129 (MBH02-763B)  
; CURRENT APPLICATION NUMBER: US/10/667,271  
; CURRENT FILING DATE: 2003-09-16

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; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1234

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 2 GGGGUCCUGGAG 13

RESULT 63
US-10-667-271-1240
; Sequence 1240, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH802-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1234

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 2 GGGGUCCUGGAG 13

RESULT 63
US-10-667-271-1240
; Sequence 1240, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH802-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
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; PRIOR APPLICATION NUMBER: USSN 60/409,293
; PRIOR FILING DATE: 2002-09-09
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1240
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1240

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 1 GGGGUCCUGGAG 12

RESULT 64
US-10-667-271-1241
; Sequence 1241, Application US/10667271
; Publication No. US20040209831A1
; GENERAL INFORMATION:
; APPLICANT: Sirna Therapeutics
; APPLICANT: McSwiggen, James
; APPLICANT: Macejak, Dennis
; APPLICANT: Beigelman, Leonid
; APPLICANT: Morrissey, David
; TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis C Virus (HCV)
; FILE REFERENCE: 400/129 (MBH802-763B)
; CURRENT APPLICATION NUMBER: US/10/667,271
; CURRENT FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; PRIOR APPLICATION NUMBER: PCT / US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT / US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: USSN 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: USSN 60/358,580
; PRIOR FILING DATE: 2002-02-20
; PRIOR APPLICATION NUMBER: USSN 60/363,124
; PRIOR FILING DATE: 2002-03-11
; PRIOR APPLICATION NUMBER: USSN 60/386,782
; PRIOR FILING DATE: 2002-06-06
; PRIOR APPLICATION NUMBER: USSN 60/406,784
; PRIOR FILING DATE: 2002-08-29
; PRIOR APPLICATION NUMBER: USSN 60/408,378
; PRIOR FILING DATE: 2002-09-05
; PRIOR APPLICATION NUMBER: USSN 60/409,293
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1705
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1241
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-667-271-1241

Query Match          66.7%; Score 12; DB 8; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||
Db 1 GGGGUCCUGGAG 12
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Db          3 GGGGUCCUGGAG 14
|||||
RESULT 65
US-10-942-560-466/c
; Sequence 466, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 466
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-466
Query Match          66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GGGGUCCUGGAG 12
|||||
Db          13 GGGGTCCTGGAG 2
|||||
RESULT 66
US-10-942-560-467/c
; Sequence 467, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 466
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-466
Query Match          66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy          1 GGGGUCCUGGAG 12
|||||
Db          13 GGGGTCCTGGAG 2
|||||
RESULT 67
US-10-942-560-498/c
; Sequence 498, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 467
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-467
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;; PRIOR APPLICATION NUMBER: US 10/720,448  
;; PRIOR FILING DATE: 2003-11-24  
;; PRIOR APPLICATION NUMBER: US 10/693,059  
;; PRIOR FILING DATE: 2003-10-23  
;; PRIOR APPLICATION NUMBER: US 10/444,853  
;; PRIOR FILING DATE: 2003-05-23  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 2031  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 498  
;; LENGTH: 19  
;; TYPE: RNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: siNA target  
US-10-942-560-498

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||

Db 16 GGGGTCTCGAG 5  
||||:|||||

RESULT 68  
US-10-942-560-500/c  
;; Sequence 500, Application US/10942560  
;; Publication No. US20050209180A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Jadhav, Vasant  
;; APPLICANT: Kossen, Karl  
;; APPLICANT: Zinnen, Shawn  
;; APPLICANT: Vaish, Narendra  
;; APPLICANT: McSwiggen, James  
;; APPLICANT: Sirna Therapeutics, Inc.  
;; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)  
;; FILE REFERENCE: 02-763-1 (400/234)  
;; CURRENT APPLICATION NUMBER: US/10/942,560  
;; CURRENT FILING DATE: 2004-09-15  
;; PRIOR APPLICATION NUMBER: US 10/667,271  
;; PRIOR FILING DATE: 2003-09-16  
;; PRIOR APPLICATION NUMBER: PCT/US03/05043  
;; PRIOR FILING DATE: 2003-02-20  
;; PRIOR APPLICATION NUMBER: PCT/US02/09187  
;; PRIOR FILING DATE: 2002-03-26  
;; PRIOR APPLICATION NUMBER: 60/401,104  
;; PRIOR FILING DATE: 2002-08-05  
;; PRIOR APPLICATION NUMBER: PCT/US 04/16390  
;; PRIOR FILING DATE: 2004-05-24  
;; PRIOR APPLICATION NUMBER: US 10/826,966  
;; PRIOR FILING DATE: 2004-04-16  
;; PRIOR APPLICATION NUMBER: US 10/757,803  
;; PRIOR FILING DATE: 2004-01-14  
;; PRIOR APPLICATION NUMBER: US 10/720,448  
;; PRIOR FILING DATE: 2003-11-24  
;; PRIOR APPLICATION NUMBER: US 10/693,059  
;; PRIOR FILING DATE: 2003-05-23  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 2031  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 500  
;; LENGTH: 19  
;; TYPE: RNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: siNA target  
US-10-942-560-500

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||

Db 14 GGGGTCTCGAG 3  
||||:|||||

RESULT 69  
US-10-942-560-502/c  
;; Sequence 502, Application US/10942560  
;; Publication No. US20050209180A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Jadhav, Vasant  
;; APPLICANT: Kossen, Karl  
;; APPLICANT: Zinnen, Shawn  
;; APPLICANT: Vaish, Narendra  
;; APPLICANT: McSwiggen, James  
;; APPLICANT: Sirna Therapeutics, Inc.  
;; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)  
;; FILE REFERENCE: 02-763-1 (400/234)  
;; CURRENT APPLICATION NUMBER: US/10/942,560  
;; CURRENT FILING DATE: 2004-09-15  
;; PRIOR APPLICATION NUMBER: US 10/667,271  
;; PRIOR FILING DATE: 2003-09-16  
;; PRIOR APPLICATION NUMBER: PCT/US03/05043  
;; PRIOR FILING DATE: 2003-02-20  
;; PRIOR APPLICATION NUMBER: PCT/US02/09187  
;; PRIOR FILING DATE: 2002-03-26  
;; PRIOR APPLICATION NUMBER: 60/401,104  
;; PRIOR FILING DATE: 2002-08-05  
;; PRIOR APPLICATION NUMBER: PCT/US 04/16390  
;; PRIOR FILING DATE: 2004-05-24  
;; PRIOR APPLICATION NUMBER: US 10/826,966  
;; PRIOR FILING DATE: 2004-04-16  
;; PRIOR APPLICATION NUMBER: US 10/757,803  
;; PRIOR FILING DATE: 2004-01-14  
;; PRIOR APPLICATION NUMBER: US 10/720,448  
;; PRIOR FILING DATE: 2003-11-24  
;; PRIOR APPLICATION NUMBER: US 10/693,059  
;; PRIOR FILING DATE: 2003-05-23  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 2031  
;; SOFTWARE: PatentIn version 3.3  
;; SEQ ID NO 502  
;; LENGTH: 19  
;; TYPE: RNA  
;; ORGANISM: Artificial Sequence  
;; FEATURE:  
;; OTHER INFORMATION: Description of Artificial Sequence: siNA target  
US-10-942-560-502

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||

Db 15 GGGGTCTCGAG 4  
||||:|||||

RESULT 70  
US-10-942-560-538/c  
;; Sequence 538, Application US/10942560  
;; Publication No. US20050209180A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Jadhav, Vasant  
;; APPLICANT: Kossen, Karl  
;; APPLICANT: Zinnen, Shawn

```
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 538
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-538

Query Match 66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 18 GGGGTCCTGGAG 7

RESULT 71
US-10-942-560-544/c
; Sequence 544, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 538
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-538

Query Match 66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 18 GGGGTCCTGGAG 7

RESULT 71
US-10-942-560-544/c
; Sequence 544, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
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; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 544
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-544

Query Match 66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:||||
Db 19 GGGGTCCTGGAG 8

RESULT 72
US-10-942-560-545/c
; Sequence 545, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-I (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 545
; LENGTH: 19
; TYPE: RNA
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA target
US-10-942-560-545

Query Match      66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 17 GGGGTCCTGGAG 6

RESULT 73
US-10-942-560-1162
; Sequence 1162, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US/10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 1162
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1163

Query Match      66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 8 GGGGUCCUGGAG 19

RESULT 75
US-10-942-560-1194
; Sequence 1194, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sinna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
```

```
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sinna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: Patent in version 3.3
; SEQ ID NO 1163
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1163

Query Match      66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 8 GGGGUCCUGGAG 19

RESULT 75
US-10-942-560-1194
; Sequence 1194, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sinna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
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; PRIOR APPLICATION NUMBER: PCT/US02/09187  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: 60/401,104  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: PCT/US 04/16390  
; PRIOR FILING DATE: 2004-05-24  
; PRIOR APPLICATION NUMBER: US 10/826,966  
; PRIOR FILING DATE: 2004-04-16  
; PRIOR APPLICATION NUMBER: US 10/757,803  
; PRIOR FILING DATE: 2004-01-14  
; PRIOR APPLICATION NUMBER: US 10/720,448  
; PRIOR FILING DATE: 2003-11-24  
; PRIOR APPLICATION NUMBER: US 10/693,059  
; PRIOR FILING DATE: 2003-10-23  
; PRIOR APPLICATION NUMBER: US 10/444,853  
; PRIOR FILING DATE: 2003-05-23  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2031  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1194  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense  
US-10-942-560-1194

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
DB 4 GGGGUCCUGGAG 15

RESULT 76  
US-10-942-560-1196  
; Sequence 1196, Application US/10942560  
; Publication No. US20050209180A1  
; GENERAL INFORMATION:  
; APPLICANT: Jadhav, Vasant  
; APPLICANT: Kossen, Karl  
; APPLICANT: Zinnen, Shawn  
; APPLICANT: Valen, Narendra  
; APPLICANT: McSwiggen, James  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)  
; FILE REFERENCE: 02-763-1 (400/234)  
; CURRENT APPLICATION NUMBER: US/10/942,560  
; CURRENT FILING DATE: 2004-09-15  
; PRIOR APPLICATION NUMBER: PCT/US03/05043  
; PRIOR FILING DATE: 2003-09-16  
; PRIOR APPLICATION NUMBER: PCT/US03/05043  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: PCT/US02/09187  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: 60/401,104  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: PCT/US 04/16390  
; PRIOR FILING DATE: 2004-05-24  
; PRIOR APPLICATION NUMBER: US 10/826,966  
; PRIOR FILING DATE: 2004-04-16  
; PRIOR APPLICATION NUMBER: US 10/757,803  
; PRIOR FILING DATE: 2003-11-24  
; PRIOR APPLICATION NUMBER: US 10/693,059  
; PRIOR FILING DATE: 2003-10-23  
; PRIOR APPLICATION NUMBER: US 10/444,853  
; PRIOR FILING DATE: 2003-05-23  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2031  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1194  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense  
US-10-942-560-1196

; NUMBER OF SEQ ID NOS: 2031  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1196  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense  
US-10-942-560-1196

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
DB 6 GGGGUCCUGGAG 17

RESULT 77  
US-10-942-560-1198  
; Sequence 1198, Application US/10942560  
; Publication No. US20050209180A1  
; GENERAL INFORMATION:  
; APPLICANT: Jadhav, Vasant  
; APPLICANT: Kossen, Karl  
; APPLICANT: Zinnen, Shawn  
; APPLICANT: Vaish, Narendra  
; APPLICANT: McSwiggen, James  
; APPLICANT: Sirna Therapeutics, Inc.  
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)  
; FILE REFERENCE: 02-763-1 (400/234)  
; CURRENT APPLICATION NUMBER: US/10/942,560  
; CURRENT FILING DATE: 2004-09-15  
; PRIOR APPLICATION NUMBER: US 10/667,271  
; PRIOR FILING DATE: 2003-09-16  
; PRIOR APPLICATION NUMBER: PCT/US03/05043  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: PCT/US02/09187  
; PRIOR FILING DATE: 2002-03-26  
; PRIOR APPLICATION NUMBER: 60/401,104  
; PRIOR FILING DATE: 2002-08-05  
; PRIOR APPLICATION NUMBER: PCT/US 04/16390  
; PRIOR FILING DATE: 2004-05-24  
; PRIOR APPLICATION NUMBER: US 10/826,966  
; PRIOR FILING DATE: 2004-04-16  
; PRIOR APPLICATION NUMBER: US 10/757,803  
; PRIOR FILING DATE: 2004-01-14  
; PRIOR APPLICATION NUMBER: US 10/720,448  
; PRIOR FILING DATE: 2003-11-24  
; PRIOR APPLICATION NUMBER: US 10/693,059  
; PRIOR FILING DATE: 2003-10-23  
; PRIOR APPLICATION NUMBER: US 10/444,853  
; PRIOR FILING DATE: 2003-05-23  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2031  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1198  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense  
US-10-942-560-1198

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
DB 5 GGGGUCCUGGAG 16

```
RESULT 78
US-10-942-560-1234
; Sequence 1234, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1234
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1234

Query Match      66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||
Db 2 GGGGUCCUGGAG 13
    |||||

RESULT 79
US-10-942-560-1240
; Sequence 1240, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
```

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; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
; PRIOR APPLICATION NUMBER: US 10/693,059
; PRIOR FILING DATE: 2003-10-23
; PRIOR APPLICATION NUMBER: US 10/444,853
; PRIOR FILING DATE: 2003-05-23
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2031
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1240
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense
US-10-942-560-1240

Query Match      66.7%; Score 12; DB 9; Length 19;
Best Local Similarity 100.0%; Pred.No. 1.7e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||
Db 1 GGGGUCCUGGAG 12
    |||||

RESULT 80
US-10-942-560-1241
; Sequence 1241, Application US/10942560
; Publication No. US20050209180A1
; GENERAL INFORMATION:
; APPLICANT: Jadhav, Vasant
; APPLICANT: Kossen, Karl
; APPLICANT: Zinnen, Shawn
; APPLICANT: Vaish, Narendra
; APPLICANT: McSwiggen, James
; APPLICANT: Sirna Therapeutics, Inc.
; TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Hepatitis C Virus (HCV)
; FILE REFERENCE: 02-763-1 (400/234)
; CURRENT APPLICATION NUMBER: US/10/942,560
; CURRENT FILING DATE: 2004-09-15
; PRIOR APPLICATION NUMBER: US 10/667,271
; PRIOR FILING DATE: 2003-09-16
; PRIOR APPLICATION NUMBER: PCT/US03/05043
; PRIOR FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: PCT/US02/09187
; PRIOR FILING DATE: 2002-03-26
; PRIOR APPLICATION NUMBER: 60/401,104
; PRIOR FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: PCT/US 04/16390
; PRIOR FILING DATE: 2004-05-24
; PRIOR APPLICATION NUMBER: US 10/826,966
; PRIOR FILING DATE: 2004-04-16
; PRIOR APPLICATION NUMBER: US 10/757,803
; PRIOR FILING DATE: 2004-01-14
; PRIOR APPLICATION NUMBER: US 10/720,448
; PRIOR FILING DATE: 2003-11-24
```



; PRIOR APPLICATION NUMBER: US 10/693,059  
; PRIOR FILING DATE: 2003-10-23  
; PRIOR APPLICATION NUMBER: US 10/444,853  
; PRIOR FILING DATE: 2003-05-23  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 2031  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1241  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense  
US-10-942-560-1241

Query Match 66.7%; Score 12; DB 9; Length 19;  
Best Local Similarity 100.0%; Pred. No. 1.7e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 3 GGGGUCCUGGAG 14

RESULT 81  
US-08-887-505-19  
; Sequence 19, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 19:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA

; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-19

Query Match 66.7%; Score 12; DB 2; Length 20;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 2 GGGGTCCTGGAG 13

RESULT 82  
US-08-887-505-20  
; Sequence 20, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 20 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-20

Query Match 66.7%; Score 12; DB 2; Length 20;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 6 GGGGTCCTGGAG 17

OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a pol.  
OTHER INFORMATION: tion of a multiple cloning site.

RESULT 83

US-10-291-230-49/c  
; Sequence 49, Application US/10291230  
; Publication No. US20030108939A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.US.A  
; CURRENT APPLICATION NUMBER: US/10/291,230  
; CURRENT FILING DATE: 2002-11-07  
; PRIOR APPLICATION NUMBER: US 09/647,344  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; PRIOR APPLICATION NUMBER: US 60/079,792  
; PRIOR FILING DATE: 1998-03-28  
; PRIOR APPLICATION NUMBER: US 60/107,504  
; PRIOR FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a pol.  
; OTHER INFORMATION: tion of a multiple cloning site.  
; NAME/KEY: misc feature  
; LOCATION: (1)..(14)  
; OTHER INFORMATION: The "n" in the sequence means a o r g or c o r t.  
US-10-291-230-49

Query Match 66.7%; Score 12; DB 5; Length 20;  
Best Local Similarity 91.7%; Pred. No. 1.7e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 20 CTGGAGNNNNN 9

RESULT 84

US-10-291-249-49/c  
; Sequence 49, Application US/10291249  
; Publication No. US20030119041A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.US.B  
; CURRENT APPLICATION NUMBER: US/10/291,249  
; CURRENT FILING DATE: 2002-11-07  
; PRIOR APPLICATION NUMBER: US 09/647,344  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; PRIOR APPLICATION NUMBER: US 60/079,792  
; PRIOR FILING DATE: 1998-03-28  
; PRIOR APPLICATION NUMBER: US 60/107,504  
; PRIOR FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 49  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:

OTHER INFORMATION: Deletion fragment in a deletion fragment library, including a pol.  
OTHER INFORMATION: tion of a multiple cloning site.  
NAME/KEY: misc feature  
LOCATION: (1)..(14)  
OTHER INFORMATION: The "n" in the sequence means a o r g or c o r t.  
US-10-291-249-49

Query Match 66.7%; Score 12; DB 6; Length 20;  
Best Local Similarity 91.7%; Pred. No. 1.7e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 20 CTGGAGNNNNN 9

RESULT 85

US-10-008-140B-12/c  
; Sequence 12, Application US/10008140B  
; Publication No. US20030124512A1  
; GENERAL INFORMATION:  
; APPLICANT: Pharmasset, Ltd.  
; APPLICANT: Stuyver, Lieven  
; TITLE OF INVENTION: Simultaneous Quantification of Nucleic Acids in Diseased Cells  
; FILE REFERENCE: 08841.105021  
; CURRENT APPLICATION NUMBER: US/10/008,140B  
; CURRENT FILING DATE: 2001-10-18  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: artificial sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide (probe) used to detect HCV viral load  
US-10-008-140B-12

Query Match 66.7%; Score 12; DB 6; Length 20;  
Best Local Similarity 83.3%; Pred. No. 1.7e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|:|||||  
Db 13 GGGGTCTTGAG 2

RESULT 86

US-10-169-371-48/c  
; Sequence 48, Application US/10169371  
; Publication No. US20030175729A1  
; GENERAL INFORMATION:  
; APPLICANT: VAN EIJK, Michael Josephus Theresia  
; APPLICANT: HOGERS, Rene Cornelis Josephus  
; APPLICANT: HEIJNEN, Leo  
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the  
; FILE REFERENCE: VAN EIJK-2  
; CURRENT APPLICATION NUMBER: US/10/169,371  
; CURRENT FILING DATE: 2002-07-01  
; PRIOR APPLICATION NUMBER: EPC 99204614.4  
; PRIOR FILING DATE: 1999-12-29  
; PRIOR APPLICATION NUMBER: PCT/NL00/00963  
; PRIOR FILING DATE: 2000-12-28  
; NUMBER OF SEQ ID NOS: 95  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 48  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: synthetic  
; FEATURE:

```
; NAME/KEY: misc feature
; LOCATION: (1)-(14)
; OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-48

Query Match      66.7%; Score 12; DB 6; Length 20;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18
Db 20 CTGAGNNNNN 9

RESULT 87
US-09-747-419-7/c
; Sequence 7, Application US/09747419
; Patent No. US2002015582A1
; GENERAL INFORMATION:
; APPLICANT: Lemon, Stanley
; APPLICANT: Yi, Minkyung
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
; FILE REFERENCE: 265.0007 0101
; CURRENT APPLICATION NUMBER: US/09/747,419
; CURRENT FILING DATE: 2000-12-23
; PRIOR APPLICATION NUMBER: US 60/171,909
; PRIOR FILING DATE: 1999-12-23
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Red probe
; NAME/KEY: misc difference
; LOCATION: (1)-(1)
; OTHER INFORMATION: LC640 labeled
US-09-747-419-7

Query Match      66.7%; Score 12; DB 3; Length 21;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 21 GGGGTCTCTGGAG 10

RESULT 88
US-10-259-275-7/c
; Sequence 7, Application US/10259275
; Publication No. US20030125541A1
; GENERAL INFORMATION:
; APPLICANT: Lemon, Stanley M.
; APPLICANT: Yi, Minkyung
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
; FILE REFERENCE: 265.0007 0120
; CURRENT APPLICATION NUMBER: US/10/259,275
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: US 60/171,909
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 09/747,419
; PRIOR FILING DATE: 2000-12-23
; PRIOR APPLICATION NUMBER: US 60/325,236
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/338,123
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
```

```
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Red probe
; NAME/KEY: misc difference
; LOCATION: (1)-(1)
; OTHER INFORMATION: LC640 labeled
US-10-259-275-7

Query Match      66.7%; Score 12; DB 6; Length 21;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 21 GGGGTCTCTGGAG 10

RESULT 89
US-11-006-313-7/c
; Sequence 7, Application US/11006313
; Publication No. US20050153281A1
; GENERAL INFORMATION:
; APPLICANT: Lemon, Stanley M.
; APPLICANT: Yi, Minkyung
; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE
; FILE REFERENCE: 265.0007 0121
; CURRENT APPLICATION NUMBER: US/11/006,313
; CURRENT FILING DATE: 2004-12-06
; PRIOR APPLICATION NUMBER: US 60/171,909
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 10/259,275
; PRIOR FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: US 09/747,419
; PRIOR FILING DATE: 2000-12-23
; PRIOR APPLICATION NUMBER: US 60/325,236
; PRIOR FILING DATE: 2001-09-27
; PRIOR APPLICATION NUMBER: US 60/338,123
; PRIOR FILING DATE: 2001-11-13
; NUMBER OF SEQ ID NOS: 73
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 7
; LENGTH: 21
; TYPE: DNA
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: Red probe
; NAME/KEY: misc difference
; LOCATION: (1)-(1)
; OTHER INFORMATION: LC640 labeled
US-11-006-313-7

Query Match      66.7%; Score 12; DB 10; Length 21;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 21 GGGGTCTCTGGAG 10

RESULT 90
US-10-291-230-38/c
; Sequence 38, Application US/10291230
; Publication No. US20030108939A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.A
; CURRENT APPLICATION NUMBER: US/10/291,230
```

```

; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, including a portion of a multiple cloning site.
; NAME/KEY: misc feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-230-38

Query Match          66.7%; Score 12; DB 5; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 22 CTGGAGNNNNNN 11

RESULT 91
US-10-291-249-38/c
; Sequence 38, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, including a portion of a multiple cloning site.
; NAME/KEY: misc feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-249-38

Query Match          66.7%; Score 12; DB 6; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 22 CTGGAGNNNNNN 11
```

```

; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, including a portion of a multiple cloning site.
; NAME/KEY: misc feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-230-38

Query Match          66.7%; Score 12; DB 5; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 22 CTGGAGNNNNNN 11

RESULT 91
US-10-291-249-38/c
; Sequence 38, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 38
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Portion of an intermediate in the making of a deletion library, including a portion of a multiple cloning site.
; NAME/KEY: misc feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.
US-10-291-249-38

Query Match          66.7%; Score 12; DB 6; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 22 CTGGAGNNNNNN 11

RESULT 91
US-10-169-371-47
; Sequence 47, Application US/10169371
; Publication No. US20030175729A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the detection of amplified restriction fragments obtained using AFLP
; FILE REFERENCE: VAN EIJK-2
; CURRENT APPLICATION NUMBER: US/10/169,371
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: EPC 99204614.4
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: PCT/NL00/00963
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 47
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc feature
; LOCATION: (7)..(22)
; OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-47

Query Match          66.7%; Score 12; DB 6; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 1 CTGGAGNNNNNN 12

RESULT 93
US-10-092-885-59
; Sequence 59, Application US/10092885
; Publication No. US20030190618A1
; GENERAL INFORMATION:
; APPLICANT: SAMAL, BABRU
; APPLICANT: LI, YUAN
; APPLICANT: HERMIDA, LEANDRO C.
; APPLICANT: HOPPA, NANCY L.
; APPLICANT: JOHE, KARL K.
; TITLE OF INVENTION: METHOD FOR GENERATING FIVE PRIME BIASED TANDEM TAG
; FILE REFERENCE: 0109015/026
; CURRENT APPLICATION NUMBER: US/10/092,885
; CURRENT FILING DATE: 2002-03-06
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 59
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (7)..(22)
; OTHER INFORMATION: a, t, c, g, other or unknown
US-10-092-885-59

Query Match          66.7%; Score 12; DB 6; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
DB 1 CTGGAGNNNNNN 12
```

```
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18
   |:|||||
Db 1 CTGGAGNNNNN 12

RESULT 94
US-10-045-674-375
; Sequence 375, Application US/10045674
; Publication No. US2003023233A1
; GENERAL INFORMATION:
; APPLICANT: LADNER, ROBERT C.
; APPLICANT: COHEN, EDWARD H.
; APPLICANT: NASTRI, HORACIO G.
; APPLICANT: ROOKEY, KRISTIN L.
; APPLICANT: HOET, RENE
; APPLICANT: HOOGENBOOM, HENDRICUS R. J. M.
; TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES COMPRISING
; TITLE OF INVENTION: DISPLAYED AND/OR EXPRESSED MEMBERS OF A DIVERSE FAMILY
; TITLE OF INVENTION: OF PEPTIDES, POLYPEPTIDES OR PROTEINS AND THE NOVEL
; TITLE OF INVENTION: LIBRARIES
; FILE REFERENCE: DYAX/002 CIP2
; CURRENT APPLICATION NUMBER: US/10/045,674
; CURRENT FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: 60/198,069
; PRIOR FILING DATE: 2000-04-17
; PRIOR APPLICATION NUMBER: 09/837,306
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 635
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 375
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: oligonucleotide
; NAME/KEY: modified base
; LOCATION: (7)..(22)
; OTHER INFORMATION: A, T, C, G, other or unknown
US-10-045-674-375

Query Match 66.7%; Score 12; DB 6; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18
   |:|||||
Db 1 CTGGAGNNNNN 12

RESULT 95
US-10-399-843-4
; Sequence 4, Application US/10399843
; Publication No. US20040053284A1
; GENERAL INFORMATION:
; APPLICANT: Andrus, Linda
; APPLICANT: Nichols, Carmen Nicola
; TITLE OF INVENTION: Universal Multi-Variant Detection System
; FILE REFERENCE: 454-30 PCT/US
; CURRENT APPLICATION NUMBER: US/10/399,843
; CURRENT FILING DATE: 2003-04-22
; PRIOR APPLICATION NUMBER: PCT/US02/12035
; PRIOR FILING DATE: 2002-04-17
; PRIOR APPLICATION NUMBER: 60/284,334
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 22
; TYPE: DNA
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: primer
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(22)
; OTHER INFORMATION: Nucleotide sequence encoding a primer
US-10-399-843-4

Query Match 66.7%; Score 12; DB 7; Length 22;
Best Local Similarity 83.3%; Pred. No. 1.7e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |:|||||
Db 11 GGGGTCTGGAG 22

RESULT 96
US-10-702-228A-22
; Sequence 22, Application US/10702228A
; Publication No. US20050074785A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.030US1
; CURRENT APPLICATION NUMBER: US/10/702,228A
; CURRENT FILING DATE: 2003-11-05
; PRIOR APPLICATION NUMBER: 10/678,961
; PRIOR FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc_feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-702-228A-22

Query Match 66.7%; Score 12; DB 9; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18
   |:|||||
Db 1 CTGGAGNNNNN 12

RESULT 97
US-10-678-961B-22
; Sequence 22, Application US/10678961B
; Publication No. US20050074883A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Strauss, Ethan Edward
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.023US1
; CURRENT APPLICATION NUMBER: US/10/678,961B
; CURRENT FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
```

```
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc_feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-678-961B-22
```

```
Query Match          66.7%; Score 12; DB 9; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      7  CUGGAGNNNNNN 18
Db      1  CTGGAGNNNNNN 12
```

## RESULT 98

```
US-10-987-411-22
; Sequence 22, Application US/10987411
; Publication No. US20050130205A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Strauss, Ethan Edward
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.023US1
; CURRENT APPLICATION NUMBER: US/10/987,411
; CURRENT FILING DATE: 2004-11-12
; PRIOR APPLICATION NUMBER: US/10/678,961
; PRIOR FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic DNA fragment
; NAME/KEY: misc_feature
; LOCATION: 7-22
; OTHER INFORMATION: n = A, T, G, or C
US-10-987-411-22
```

```
Query Match          66.7%; Score 12; DB 9; Length 22;
Best Local Similarity 91.7%; Pred. No. 1.7e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      7  CUGGAGNNNNNN 18
Db      1  CTGGAGNNNNNN 12
```

## RESULT 99

```
US-10-053-883-111
; Sequence 111, Application US/10053883
; Publication No. US20030113737A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN-1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
```

```
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.11
; SEQ ID NO 111
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc_feature
; LOCATION: (7)..(23)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-111
```

```
Query Match          66.7%; Score 12; DB 5; Length 23;
Best Local Similarity 91.7%; Pred. No. 1.6e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      7  CUGGAGNNNNNN 18
Db      1  CTGGAGNNNNNN 12
```

## RESULT 100

```
US-10-053-883-112/c
; Sequence 112, Application US/10053883
; Publication No. US20030113737A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN-1A
; CURRENT APPLICATION NUMBER: US/10/053,883
; CURRENT FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.11
; SEQ ID NO 112
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc_feature
; LOCATION: (1)..(17)
; OTHER INFORMATION: n is a, c, g or t
US-10-053-883-112
```

```
Query Match          66.7%; Score 12; DB 5; Length 23;
Best Local Similarity 91.7%; Pred. No. 1.6e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      7  CUGGAGNNNNNN 18
Db      23 CTGGAGNNNNNN 12
```

## RESULT 101

```
US-08-887-505-48
; Sequence 48, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; APPLICANT: Walther, Debra M.
```

;; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
;; TITLE OF INVENTION: HEPATITIS C VIRUS  
;; NUMBER OF SEQUENCES: 172  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Hale and Dorr LLP  
;; STREET: 60 State Street  
;; CITY: Boston  
;; STATE: MA  
;; COUNTRY: USA  
;; ZIP: 02109  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/887,505  
;; FILING DATE:  
;; CLASSIFICATION: 514  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/471,968  
;; FILING DATE: 06-JUN-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kerner, Ann-Louise  
;; REGISTRATION NUMBER: 33,523  
;; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 526-6000  
;; TELEFAX: (617) 526-5000  
;; INFORMATION FOR SEQ ID NO: 48:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 24 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: YES  
;; US-08-887-505-48  
  
Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 1 GGGGTCTCTGGAG 12  
|||:|:|:|  
  
RESULT 102  
US-08-887-505-55  
; Sequence 55, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 48:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 24 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
; US-08-887-505-48

;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: PatentIn Release #1.0, Version #1.30  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/08/887,505  
;; FILING DATE:  
;; CLASSIFICATION: 514  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: US 08/471,968  
;; FILING DATE: 06-JUN-1995  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Kerner, Ann-Louise  
;; REGISTRATION NUMBER: 33,523  
;; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (617) 526-6000  
;; TELEFAX: (617) 526-5000  
;; INFORMATION FOR SEQ ID NO: 55:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 24 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: DNA  
;; HYPOTHETICAL: NO  
;; ANTI-SENSE: YES  
;; US-08-887-505-55  
  
Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
  
Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 1 GGGGTCTCTGGAG 12  
|||:|:|:|  
  
RESULT 103  
US-08-887-505-56  
; Sequence 56, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995

ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 56:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-56

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
Db 1 GGGGUCCUGGAG 12

## RESULT 104

US-08-887-505-57  
Sequence 57, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 57:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-57

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||  
Db 13 GGGGTCTCTGGAG 24

## RESULT 105

US-08-887-505-58  
Sequence 58, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 58:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-58

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;



QY 1 GGGGUCCUGGAG 12  
Db 13 GGGGTCCTGGAG 24

## RESULT 106

US-08-887-505-59  
; Sequence 59, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:

CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 59:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 24 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-59

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 13 GGGGTCCTGGAG 24

## RESULT 107

US-08-887-505-60  
; Sequence 60, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.

; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HYZ-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 60:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 24 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-60

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 1 GGGGTCCTGGAG 12

## RESULT 108

US-08-887-505-61  
; Sequence 61, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A1 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:

ADDRESS: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 61:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
MOLECULE TYPE: DNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-61

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 13 GGGGTCCTGGAG 24

RESULT 109  
US-08-887-505-62  
Sequence 62, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 62:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
MOLECULE TYPE: DNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-62

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 1 GGGGTCCTGGAG 12

RESULT 110  
US-08-887-505-63  
Sequence 63, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 63:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-63

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 13 GGGGUCCUGGAG 24

RESULT 111  
US-08-887-505-64  
Sequence 64, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A11 A.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 64:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO

ANTI-SENSE: YES  
US-08-887-505-64

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 1 GGGGUCCUGGAG 12

RESULT 112  
US-08-887-505-65  
Sequence 65, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A11 A.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 65:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-65

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 13 GGGGUCCUGGAG 24

```
RESULT 113
US-08-887-505-66
; Sequence 66, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-6000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 148:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
; US-08-887-505-148

Query Match 66.7%; Score 12; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 115
US-08-887-505-149
; Sequence 149, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A1 A.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
```

```
;
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/897,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-5000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 149:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
US-08-887-505-149

Query Match 66.7%; Score 12; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 116
US-08-887-505-150
; Sequence 150, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A11 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-5000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 151:
```

```
;
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/897,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-5000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 150:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA/RNA
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
;
US-08-887-505-150

Query Match 66.7%; Score 12; DB 2; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.6e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 7 GGGGUCCUGGAG 18

RESULT 117
US-08-887-505-151
; Sequence 151, Application US/08887505
; Publication No. US20020081577A1
; GENERAL INFORMATION:
; APPLICANT: Kilkuskie, Robert E.
; APPLICANT: Frank, Bruce L.
; APPLICANT: Goodchild, John
; APPLICANT: Wolfe, Jia L.
; APPLICANT: Roberts, Peter C.
; APPLICANT: Hamlin, Jr., Henry A.
; APPLICANT: Roberts, No. US20020081577A11 A.
; APPLICANT: Walther, Debra M.
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR
; TITLE OF INVENTION: HEPATITIS C VIRUS
; NUMBER OF SEQUENCES: 172
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hale and Dorr LLP
; STREET: 60 State Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,505
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/471,968
; FILING DATE: 06-JUN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Kerner, Ann-Louise
; REGISTRATION NUMBER: 33,523
; REFERENCE/DOCKET NUMBER: HYZ-040CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 526-5000
; TELEFAX: (617) 526-5000
; INFORMATION FOR SEQ ID NO: 151:
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SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-151

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12  
Db 13 GGGGUCCUGGAG 24

RESULT 118

US-08-887-505-152  
; Sequence 152, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A11 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HY2-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 152:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 24 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-152

Query Match 66.7%; Score 12; DB 2; Length 24;  
; Sequence 154, Application US/08887505

Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12  
Db 7 GGGGUCCUGGAG 18

RESULT 119

US-08-887-505-153  
; Sequence 153, Application US/08887505  
; Publication No. US20020081577A1  
; GENERAL INFORMATION:  
; APPLICANT: Kilkuskie, Robert E.  
; APPLICANT: Frank, Bruce L.  
; APPLICANT: Goodchild, John  
; APPLICANT: Wolfe, Jia L.  
; APPLICANT: Roberts, Peter C.  
; APPLICANT: Hamlin, Jr., Henry A.  
; APPLICANT: Roberts, No. US20020081577A11 A.  
; APPLICANT: Walther, Debra M.  
; TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
; TITLE OF INVENTION: HEPATITIS C VIRUS  
; NUMBER OF SEQUENCES: 172  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hale and Dorr LLP  
; STREET: 60 State Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent In Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/887,505  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/471,968  
; FILING DATE: 06-JUN-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kerner, Ann-Louise  
; REGISTRATION NUMBER: 33,523  
; REFERENCE/DOCKET NUMBER: HY2-040CIP  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 526-6000  
; TELEFAX: (617) 526-5000  
; INFORMATION FOR SEQ ID NO: 153:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 24 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-153

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0;

QY 1 GGGGUCCUGGAG 12  
Db 13 GGGGUCCUGGAG 24

RESULT 120  
US-08-887-505-154  
; Sequence 154, Application US/08887505

Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A11 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 154:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-154

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
DB 7 GGGGUCCUGGAG 18

RESULT 121  
US-08-887-505-155  
Sequence 155, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A11 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR

TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 155:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-155

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
DB 13 GGGGUCCUGGAG 24

RESULT 122  
US-08-887-505-156  
Sequence 156, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A11 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 156:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-156

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 7 GGGGUCCUGGAG 18

RESULT 123  
US-08-887-505-157  
Sequence 157, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 157:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single

NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 157:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA/RNA  
HYPOTHETICAL: NO  
ANTI-SENSE: YES  
US-08-887-505-157

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 7 GGGGUCCUGGAG 18

RESULT 124  
US-08-887-505-158  
Sequence 158, Application US/08887505  
Publication No. US20020081577A1  
GENERAL INFORMATION:  
APPLICANT: Kilkuskie, Robert E.  
APPLICANT: Frank, Bruce L.  
APPLICANT: Goodchild, John  
APPLICANT: Wolfe, Jia L.  
APPLICANT: Roberts, Peter C.  
APPLICANT: Hamlin, Jr., Henry A.  
APPLICANT: Roberts, No. US20020081577A1 A.  
APPLICANT: Walther, Debra M.  
TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR  
TITLE OF INVENTION: HEPATITIS C VIRUS  
NUMBER OF SEQUENCES: 172  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Hale and Dorr LLP  
STREET: 60 State Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/887,505  
FILING DATE:  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/471,968  
FILING DATE: 06-JUN-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Kerner, Ann-Louise  
REGISTRATION NUMBER: 33,523  
REFERENCE/DOCKET NUMBER: HYZ-040CIP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 526-6000  
TELEFAX: (617) 526-5000  
INFORMATION FOR SEQ ID NO: 158:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 24 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single



; TOPOLOGY: linear  
; MOLECULE TYPE: DNA/RNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: YES  
US-08-887-505-158

Query Match 66.7%; Score 12; DB 2; Length 24;  
Best Local Similarity 100.0%; Pred. No. 1.6e+03;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|:|||||  
Db 7 GGGGUCCUGGAG 18

## RESULT 125

US-10-098-263B-87040/c  
; Sequence 87040, Application US/10098263B  
; Publication No. US20030104410A1  
; GENERAL INFORMATION:  
; APPLICANT: Mittman, Michael  
; TITLE OF INVENTION: Human Microarray  
; FILE REFERENCE: 3118.1  
; CURRENT APPLICATION NUMBER: US/10/098,263B  
; PRIOR FILING DATE: 2003-01-08  
; PRIOR APPLICATION NUMBER: 60/276,759  
; PRIOR FILING DATE: 2001-03-16  
; NUMBER OF SEQ ID NOS: 131066  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 87040  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-098-263B-87040

Query Match 66.7%; Score 12; DB 5; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|:|||||  
Db 24 GGGGTCTGGAG 13

## RESULT 126

US-10-291-230-39/c  
; Sequence 39, Application US/10291230  
; Publication No. US20030108939A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.US.A  
; CURRENT APPLICATION NUMBER: US/10/291,230  
; CURRENT FILING DATE: 2002-11-07  
; PRIOR APPLICATION NUMBER: US 09/647,344  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; PRIOR APPLICATION NUMBER: US 60/079,792  
; PRIOR FILING DATE: 1998-03-28  
; PRIOR APPLICATION NUMBER: US 60/107,504  
; PRIOR FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 39  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 14 bp variable sequence fragment of a deletion library including  
; OTHER INFORMATION: flanking portions of multiple cloning site.

; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (6)..(19)  
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.  
US-10-291-230-39

Query Match 66.7%; Score 12; DB 5; Length 25;  
Best Local Similarity 91.7%; Pred. No. 1.6e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18  
|:|||||  
Db 25 CTGGAGNNNNNN 14

## RESULT 127

US-10-291-230-47/c  
; Sequence 47, Application US/10291230  
; Publication No. US20030108939A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.US.A  
; CURRENT APPLICATION NUMBER: US/10/291,230  
; CURRENT FILING DATE: 2002-11-07  
; PRIOR APPLICATION NUMBER: US 09/647,344  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1999-03-28  
; PRIOR APPLICATION NUMBER: US 60/079,792  
; PRIOR FILING DATE: 1998-03-28  
; PRIOR APPLICATION NUMBER: US 60/107,504  
; PRIOR FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 47  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Sequence flanking the chloramphenicol (CAT) gene after insertion  
; OTHER INFORMATION: into the antisense library.  
; FEATURE:  
; NAME/KEY: misc.feature  
; LOCATION: (14)..(19)  
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.  
US-10-291-230-47

Query Match 66.7%; Score 12; DB 5; Length 25;  
Best Local Similarity 91.7%; Pred. No. 1.6e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18  
|:|||||  
Db 25 CTGGAGNNNNNN 14

## RESULT 128

US-10-291-249-39/c  
; Sequence 39, Application US/10291249  
; Publication No. US20030119041A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.US.B  
; CURRENT APPLICATION NUMBER: US/10/291,249  
; CURRENT FILING DATE: 2002-11-07  
; PRIOR APPLICATION NUMBER: US 09/647,344  
; PRIOR FILING DATE: 2000-12-04

;; PRIOR APPLICATION NUMBER: PCT/US99/06742  
;; PRIOR FILING DATE: 1999-03-28  
;; PRIOR APPLICATION NUMBER: US 60/079,792  
;; PRIOR FILING DATE: 1998-03-28  
;; PRIOR APPLICATION NUMBER: US 60/107,504  
;; PRIOR FILING DATE: 1998-11-06  
;; NUMBER OF SEQ ID NOS: 50  
;; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 39  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 14 bp variable sequence fragment of a deletion library including  
; flanking portions of multiple cloning site.  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (6)..(19)  
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t/u.  
US-10-291-249-39

Query Match 66.7%; Score 12; DB 6; Length 25;  
Best Local Similarity 91.7%; Pred. No. 1.6e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18  
|:|||||  
Db 25 CTGGAGNNNNN 14

RESULT 129  
US-10-291-249-47/c  
; Sequence 47, Application US/10291249  
; Publication No. US20030119041A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruffner, Duane E.  
; APPLICANT: Pierce, Michael L.  
; APPLICANT: Chen, Zhidong  
; TITLE OF INVENTION: Directed Antisense Libraries  
; FILE REFERENCE: T6678.US.B  
; CURRENT APPLICATION NUMBER: US/10/291,249  
; CURRENT FILING DATE: 2002-11-07  
; PRIOR APPLICATION NUMBER: US 09/647,344  
; PRIOR FILING DATE: 2000-12-04  
; PRIOR APPLICATION NUMBER: PCT/US99/06742  
; PRIOR FILING DATE: 1998-03-28  
; PRIOR APPLICATION NUMBER: US 60/079,792  
; PRIOR FILING DATE: 1998-03-28  
; PRIOR APPLICATION NUMBER: US 60/107,504  
; PRIOR FILING DATE: 1998-11-06  
; NUMBER OF SEQ ID NOS: 50  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 47  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Sequence flanking the chloramphenicol (CAT) gene after insertion  
; into the antisense library.  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (14)..(19)  
; OTHER INFORMATION: The "n" in the sequence means a or g or c or t.  
US-10-291-249-47

Query Match 66.7%; Score 12; DB 6; Length 25;  
Best Local Similarity 91.7%; Pred. No. 1.6e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18  
|:|||||  
Db 25 CTGGAGNNNNN 14

RESULT 130  
US-10-719-956-140305/c  
; Sequence 140305, Application US/10719956  
; Publication No. US20040146910A1  
; GENERAL INFORMATION:  
; APPLICANT: Xue Mei Zhou  
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat  
; FILE REFERENCE: 3527.1  
; CURRENT APPLICATION NUMBER: US/10/719,956  
; CURRENT FILING DATE: 2003-11-20  
; PRIOR APPLICATION NUMBER: 60/427,836  
; PRIOR FILING DATE: 2002 11 20  
; NUMBER OF SEQ ID NOS: 699466  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 140305  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
US-10-719-956-140305

Query Match 66.7%; Score 12; DB 7; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|  
Db 16 GGGGTCTGGAG 5

RESULT 131  
US-10-719-900-205441/c  
; Sequence 205441, Application US/10719900  
; Publication No. US20050026164A1  
; GENERAL INFORMATION:  
; APPLICANT: Xue Mei Zhou  
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse  
; FILE REFERENCE: 3528.1  
; CURRENT APPLICATION NUMBER: US/10/719,900  
; CURRENT FILING DATE: 2003-11-20  
; PRIOR APPLICATION NUMBER: 60/427,808  
; PRIOR FILING DATE: 2002 11 20  
; NUMBER OF SEQ ID NOS: 982914  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 205441  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-719-900-205441

Query Match 66.7%; Score 12; DB 8; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|  
Db 22 GGGGTCTGGAG 11

RESULT 132  
US-10-956-157-225648  
; Sequence 225648, Application US/10956157  
; Publication No. US20050118625A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William  
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH  
; HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES  
; FILE REFERENCE: 031896-043000 (AM 101081)  
; CURRENT APPLICATION NUMBER: US/10/956,157  
; CURRENT FILING DATE: 2004-10-04  
; NUMBER OF SEQ ID NOS: 319805  
; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 225648  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Probe Sequence  
US-10-956-157-225648

Query Match 66.7%; Score 12; DB 9; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 5 GGGGTCCTGGAG 16

## RESULT 133

US-10-956-157-292659  
; Sequence 292659, Application US/10956157  
; Publication No. US20050118625A1  
; GENERAL INFORMATION:

; APPLICANT: Wyeth  
; TITLE OF INVENTION: Mounts, William  
; TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH  
; FILE REFERENCE: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES  
; CURRENT APPLICATION NUMBER: US/10/956,157  
; CURRENT FILING DATE: 2004-10-04  
; NUMBER OF SEQ ID NOS: 319805  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 292659  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Probe Sequence  
US-10-956-157-292659

Query Match 66.7%; Score 12; DB 9; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 14 GGGGTCCTGGAG 25

## RESULT 134

US-11-036-317-543704/c  
; Sequence 543704, Application US/11036317  
; Publication No. US20050214823A1  
; GENERAL INFORMATION:

; APPLICANT: Williams, Alan  
; APPLICANT: Blume, John  
; TITLE OF INVENTION: Method of Analysis of Alternative Splicing in Mouse  
; FILE REFERENCE: 3654.1  
; CURRENT APPLICATION NUMBER: US/11/036,317  
; PRIOR APPLICATION NUMBER: 2005-01-13  
; PRIOR FILING DATE: 2004-01-13  
; NUMBER OF SEQ ID NOS: 991174  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 543704  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-11-036-317-543704

Query Match 66.7%; Score 12; DB 10; Length 25;  
Best Local Similarity 83.3%; Pred. No. 1.6e+03;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 24 GGGGTCCTGGAG 13

## RESULT 135

US-10-053-883-12  
; Sequence 12, Application US/10053883  
; Publication No. US20030113737A1  
; GENERAL INFORMATION:

; APPLICANT: PEDERSEN, Morten Lorentz  
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION  
; FILE REFERENCE: PEDERSEN=1A  
; CURRENT APPLICATION NUMBER: US/10/053,883  
; CURRENT FILING DATE: 2002-01-02  
; PRIOR APPLICATION NUMBER: PA 2001 00126  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: US 60/267,704  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 148  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
; NAME/KEY: misc\_feature  
; LOCATION: (11)..(27)  
; OTHER INFORMATION: n is a, c, g or t  
US-10-053-883-12

Query Match 66.7%; Score 12; DB 5; Length 27;  
Best Local Similarity 91.7%; Pred. No. 1.6e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18  
|:|||||  
Db 5 CTGGAGNNNNN 16

## RESULT 136

US-10-053-883-13/c  
; Sequence 13, Application US/10053883  
; Publication No. US20030113737A1  
; GENERAL INFORMATION:

; APPLICANT: PEDERSEN, Morten Lorentz  
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION  
; FILE REFERENCE: PEDERSEN=1A  
; CURRENT APPLICATION NUMBER: US/10/053,883  
; CURRENT FILING DATE: 2002-01-02  
; PRIOR APPLICATION NUMBER: PA 2001 00126  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: US 60/267,704  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 148  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(17)  
; OTHER INFORMATION: n is a, c, g or t  
US-10-053-883-13

Query Match 66.7%; Score 12; DB 5; Length 27;  
Best Local Similarity 91.7%; Pred. No. 1.6e+03;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18  
|:|||||  
Db 23 CTGGAGNNNNN 12

```
RESULT 137
US-09-935-338-192/c
; Sequence 192, Application US/09935338
; Publication No. US20030073081A1
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; APPLICANT: MIYAKE, Kazue
; APPLICANT: SATO, Yoshiaki
; APPLICANT: MORIYAMA, Mariko
; APPLICANT: SAWARAGI, Haruhisa
; APPLICANT: HAGIYA, Michio
; APPLICANT: ASADA, Kiyozo
; APPLICANT: KATO, Ikunoshin
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/09/935,338
; PRIOR FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: JP11-076966
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: JP11-370035
; PRIOR FILING DATE: 1999-12-27
; PRIOR APPLICATION NUMBER: JP2000-251981
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: JP2000-284419
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: JP2000-288750
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: JP2001-104191
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: PCT/JP00/01534
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 192
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Designed oligonucleotide probe to detect a DNA fragment amplifying
US-09-935-338-192
;
;
Query Match 66.7%; Score 12; DB 3; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 30 GGGGTCCTGGAG 19
||||:|||||
|

RESULT 138
US-10-929-759-192/c
; Sequence 192, Application US/10929759
; Publication No. US20050123950A1
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/10/973,919
; CURRENT FILING DATE: 2004-10-27
; PRIOR APPLICATION NUMBER: US/09/935,338
; PRIOR FILING DATE: 2001-08-23
;
;
Query Match 66.7%; Score 12; DB 3; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 30 GGGGTCCTGGAG 19
||||:|||||
|

RESULT 139
US-10-973-919-192/c
; Sequence 192, Application US/10973919
; Publication No. US20050239100A1
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; APPLICANT: MIYAKE, Kazue
; APPLICANT: SATO, Yoshiaki
; APPLICANT: MORIYAMA, Mariko
; APPLICANT: SAWARAGI, Haruhisa
; APPLICANT: HAGIYA, Michio
; APPLICANT: ASADA, Kiyozo
; APPLICANT: KATO, Ikunoshin
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/10/973,919
; CURRENT FILING DATE: 2004-10-27
; PRIOR APPLICATION NUMBER: US/09/935,338
; PRIOR FILING DATE: 2001-08-23
;
;
Query Match 66.7%; Score 12; DB 9; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 30 GGGGTCCTGGAG 19
||||:|||||
|

RESULT 140
US-10-929-759-192/c
; Sequence 192, Application US/10929759
; Publication No. US20050123950A1
; GENERAL INFORMATION:
; APPLICANT: MUKAI, Hiroyuki
; APPLICANT: SAGAWA, Hiroaki
; APPLICANT: UEMORI, Takashi
; APPLICANT: YAMAMOTO, Junko
; APPLICANT: TOMONO, Jun
; APPLICANT: KOBAYASHI, Eiji
; APPLICANT: ENOKI, Tatsuji
; APPLICANT: TAKEDA, Osamu
; TITLE OF INVENTION: A method for amplification of nucleic acids
; FILE REFERENCE: MUKAI=1
; CURRENT APPLICATION NUMBER: US/10/973,919
; CURRENT FILING DATE: 2004-10-27
; PRIOR APPLICATION NUMBER: US/09/935,338
; PRIOR FILING DATE: 2001-08-23
;
;
Query Match 66.7%; Score 12; DB 9; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 30 GGGGTCCTGGAG 19
||||:|||||
|
```

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; PRIOR APPLICATION NUMBER: JP11-076966
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: JP11-370035
; PRIOR FILING DATE: 1999-12-27
; PRIOR APPLICATION NUMBER: JP2000-251981
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: JP2000-284419
; PRIOR FILING DATE: 2000-09-19
; PRIOR APPLICATION NUMBER: JP2000-288750
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: JP2001-104191
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: PCT/JP00/01534
; PRIOR FILING DATE: 2000-03-14
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 192
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Designed oligonucleotide probe to detect a DNA fragment amplifying
; OTHER INFORMATION: portion of HCV.
US-10-973-919-192

Query Match          66.7%; Score 12; DB 9; Length 30;
Best Local Similarity 83.3%; Pred. No. 1.5e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
DB      30 GGGGTCCTGGAG 19

RESULT 140
US-10-169-371-71
; Sequence 71, Application US/10169371
; Publication No. US20030175729A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
; TITLE OF INVENTION: detection of amplified restriction fragments obtained using AFLP
; FILE REFERENCE: VAN EIJK-2
; CURRENT APPLICATION NUMBER: US/10/169,371
; PRIOR FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: EPC 99204614.4
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: PCT/NL00/00963
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 71
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-71

Query Match          66.7%; Score 12; DB 6; Length 36;
Best Local Similarity 91.7%; Pred. No. 1.5e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNN 18
        |:|||||
DB     17 CTGGAGNNNNN 28

RESULT 142
US-10-291-230-48/c
; Sequence 48, Application US/10291230
; Publication No. US20030108939A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.A
; CURRENT APPLICATION NUMBER: US/10/291,230
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 46
```

```
QY      7 CUGGAGNNNNN 18
        |:|||||
DB     17 CTGGAGNNNNN 28

RESULT 141
US-10-169-371-79
; Sequence 79, Application US/10169371
; Publication No. US20030175729A1
; GENERAL INFORMATION:
; APPLICANT: VAN EIJK, Michael Josephus Theresia
; APPLICANT: HOGERS, Rene Cornelis Josephus
; APPLICANT: HEIJNEN, Leo
; TITLE OF INVENTION: Method for generating oligonucleotides, in particular for the
; TITLE OF INVENTION: detection of amplified restriction fragments obtained using AFLP
; FILE REFERENCE: VAN EIJK-2
; CURRENT APPLICATION NUMBER: US/10/169,371
; CURRENT FILING DATE: 2002-07-01
; PRIOR APPLICATION NUMBER: EPC 99204614.4
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: PCT/NL00/00963
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 79
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc feature
; LOCATION: (1)..(16)
; OTHER INFORMATION: n is a, c, g, or t
US-10-169-371-79

Query Match          66.7%; Score 12; DB 6; Length 36;
Best Local Similarity 91.7%; Pred. No. 1.5e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNN 18
        |:|||||
DB     17 CTGGAGNNNNN 28

RESULT 142
US-10-291-230-48/c
; Sequence 48, Application US/10291230
; Publication No. US20030108939A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.A
; CURRENT APPLICATION NUMBER: US/10/291,230
; CURRENT FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1999-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 46
```

```
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hammerhead ribozyme library with flanking sequences.
; NAME/KEY: misc_feature
; LOCATION: (6)..(12)
; OTHER INFORMATION: The "n" in the sequence means a o r g o r c o r t.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (35)..(40)
; OTHER INFORMATION: The "n" in the sequence means a o r g o r c o r t.
US-10-291-230-48

Query Match          66.7%; Score 12; DB 5; Length 46;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
Db 46 CTGGAGNNNNNN 35

RESULT 143
US-10-291-249-48/c
; Sequence 48, Application US/10291249
; Publication No. US20030119041A1
; GENERAL INFORMATION:
; APPLICANT: Ruffner, Duane E.
; APPLICANT: Pierce, Michael L.
; APPLICANT: Chen, Zhidong
; TITLE OF INVENTION: Directed Antisense Libraries
; FILE REFERENCE: T6678.US.B
; CURRENT APPLICATION NUMBER: US/10/291,249
; PRIOR FILING DATE: 2002-11-07
; PRIOR APPLICATION NUMBER: US 09/647,344
; PRIOR FILING DATE: 2000-12-04
; PRIOR APPLICATION NUMBER: PCT/US99/06742
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/079,792
; PRIOR FILING DATE: 1998-03-28
; PRIOR APPLICATION NUMBER: US 60/107,504
; PRIOR FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 48
; LENGTH: 46
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hammerhead ribozyme library with flanking sequences.
; NAME/KEY: misc_feature
; LOCATION: (6)..(12)
; OTHER INFORMATION: The "n" in the sequence means a o r g o r c o r t.
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (35)..(40)
; OTHER INFORMATION: The "n" in the sequence means a o r g o r c o r t.
US-10-291-249-48

Query Match          66.7%; Score 12; DB 6; Length 46;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
Db 46 CTGGAGNNNNNN 35

RESULT 144
US-10-349-143-2597
; Sequence 2597, Application US/10349143
```

```
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1999-04-21
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 2597
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-1211-59 : polymorphic base C or T
US-10-349-143-2597

Query Match          66.7%; Score 12; DB 6; Length 47;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 25 GGGGTCCTGGAG 36

RESULT 145
US-10-156-306-7157
; Sequence 7157, Application US/10156306
; Publication No. US20030119017A1
; GENERAL INFORMATION:
; APPLICANT: McSwiggen, James
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related to
; TITLE OF INVENTION: Levels of IKK-Gamma and PKR
; FILE REFERENCE: MBHB01-664-A (400/050)
; CURRENT APPLICATION NUMBER: US/10/156,306
; CURRENT FILING DATE: 2002-05-28
; NUMBER OF SEQ ID NOS: 8013
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7157
; LENGTH: 48
; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic Acid
US-10-156-306-7157

Query Match          66.7%; Score 12; DB 5; Length 48;
Best Local Similarity 100.0%; Pred. No. 1.4e+03;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 1 GGGGUCCUGGAG 12

RESULT 146
US-10-322-138-6/c
; Sequence 6, Application US/10322138
; Publication No. US20030175765A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Kessler, Christoph
; APPLICANT: Haberhausen, Gerd
; APPLICANT: Bartl, Knut
; APPLICANT: Orum, Henrik
; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
; FILE REFERENCE: 4817/OO
; CURRENT APPLICATION NUMBER: US/10/322,138
; PRIOR FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US/09/530,746B
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Version 3.1
; SEQ ID NO 6
; LENGTH: 48
; TYPE: DNA
; ORGANISM: HCV
US-10-322-138-6

Query Match          66.7%; Score 12; DB 6; Length 48;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 31 GGGGTCTGGAG 20

RESULT 147
US-10-322-138-7/c
; Sequence 7, Application US/10322138
; Publication No. US20030175765A1
; GENERAL INFORMATION:
; APPLICANT: Kessler, Christoph
; APPLICANT: Haberhausen, Gerd
; APPLICANT: Bartl, Knut
; APPLICANT: Orum, Henrik
; TITLE OF INVENTION: SPECIFIC AND SENSITIVE METHOD FOR DETECTING NUCLEIC ACIDS
; FILE REFERENCE: 4817/OO
; CURRENT APPLICATION NUMBER: US/10/322,138
; CURRENT FILING DATE: 2002-12-17
; PRIOR APPLICATION NUMBER: US/09/530,746B
; PRIOR FILING DATE: 2000-11-16
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Version 3.1
; SEQ ID NO 7
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-322-138-7

Query Match          66.7%; Score 12; DB 6; Length 48;
Best Local Similarity 83.3%; Pred. No. 1.4e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 31 GGGGTCTGGAG 20

RESULT 148
US-10-842-741B-1
; Sequence 1, Application US/10842741B
; Publication No. US20050164214A1
; GENERAL INFORMATION:
; APPLICANT: Pruitt, Steven et al
; TITLE OF INVENTION: Improved Methods For Protein Interaction Determination
; FILE REFERENCE: 03551.0157
; CURRENT APPLICATION NUMBER: US/10/842,741B
; CURRENT FILING DATE: 2004-05-10
; PRIOR APPLICATION NUMBER: US/60/469,342
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1
```

```
; LENGTH: 48
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: n
; LOCATION: 43-48
; OTHER INFORMATION: n is g,a,t or c; pAct2 lox71 MAGE/6 Primer
US-10-842-741B-1

Query Match          66.7%; Score 12; DB 9; Length 48;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
Db 37 CTGGAGNNNNNN 48

RESULT 149
US-10-842-741B-2
; Sequence 2, Application US/10842741B
; Publication No. US20050164214A1
; GENERAL INFORMATION:
; APPLICANT: Pruitt, Steven et al
; TITLE OF INVENTION: Improved Methods For Protein Interaction Determination
; FILE REFERENCE: 03551.0157
; CURRENT APPLICATION NUMBER: US/10/842,741B
; CURRENT FILING DATE: 2004-05-10
; PRIOR APPLICATION NUMBER: US/60/469,342
; PRIOR FILING DATE: 2003-05-09
; NUMBER OF SEQ ID NOS: 23
; SEQ ID NO 2
; LENGTH: 48
; TYPE: DNA
; ORGANISM: artificial sequence
; FEATURE:
; NAME/KEY: n
; LOCATION: 43-48
; OTHER INFORMATION: n is g,a,t or c; PCD2 lox66 MAGE/6 Primer
US-10-842-741B-2

Query Match          66.7%; Score 12; DB 9; Length 48;
Best Local Similarity 91.7%; Pred. No. 1.4e+03;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
Db 37 CTGGAGNNNNNN 48

RESULT 150
US-10-461-790-141/c
; Sequence 141, Application US/10461790
; Publication No. US20040029111A1
; GENERAL INFORMATION:
; APPLICANT: Linnen, Jeffery M.
; APPLICANT: Kolk, Daniel P.
; APPLICANT: Dockter, Janel M.
; APPLICANT: Getman, Damon K.
; APPLICANT: Yoshimura, Tadaishi
; APPLICANT: Ho-Sing-Loy, Marcy
; APPLICANT: Stringfellow, Leslie A.
; TITLE OF INVENTION: Compositions and Methods for Detecting
; TITLE OF INVENTION: Hepatitis B Virus
; FILE REFERENCE: GPI34-02 UT
; CURRENT APPLICATION NUMBER: US/10/461,790
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: 60/389,393
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 142
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 141
; LENGTH: 86
```

```
; TYPE: DNA
; ORGANISM: Hepatitis C Virus
US-10-461-790-141

Query Match      66.7%; Score 12; DB 7; Length 86;
Best Local Similarity 83.3%; Pred. No. 1.2e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    |||||:|:|
Db 32 GGGGTCTTGGAG 21

RESULT 151
US-10-029-386-15052
; Sequence 15052, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15052
; LENGTH: 97
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC024195.2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.99
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1
; OTHER INFORMATION: EST_HUMAN HIT: ALS38246.1, EVALUE 1.80e+00
US-10-029-386-15052

Query Match      66.7%; Score 12; DB 6; Length 97;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    |||||:|:|
Db 78 GGGGTCTTGGAG 89

RESULT 152
US-10-029-386-14059/c
; Sequence 14059, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 14059
; LENGTH: 124
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL136366.3
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2
```

```
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6
; OTHER INFORMATION: NT HIT: g115303560, EVALUE 1.60e+00
; OTHER INFORMATION: EST_HUMAN HIT: W90458.1, EVALUE 1.50e-01
; OTHER INFORMATION: SWISSPROT HIT: O15529, EVALUE 2.30e-01
US-10-029-386-14059

Query Match      66.7%; Score 12; DB 6; Length 124;
Best Local Similarity 83.3%; Pred. No. 1.1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    |||||:|:|
Db 34 GGGGTCTTGGAG 23

RESULT 153
US-10-029-386-15594
; Sequence 15594, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR C
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 15594
; LENGTH: 138
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR19.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.83
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.98
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.6
; OTHER INFORMATION: SWISSPROT HIT: Q92SR8, EVALUE 5.20e-01
; OTHER INFORMATION: NT HIT: g114786907, EVALUE 3.00e-67
; OTHER INFORMATION: EST_HUMAN HIT: BG479422.1, EVALUE 4.00e-67
US-10-029-386-15594

Query Match      66.7%; Score 12; DB 6; Length 138;
Best Local Similarity 83.3%; Pred. No. 1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    |||||:|:|
Db 113 GGGGTCTTGGAG 124

RESULT 154
US-10-425-115-1205
; Sequence 1205, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(53222)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
```



```
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 1205
; LENGTH: 168
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_101098C.1
US-10-425-115-1205

Query Match          66.7%; Score 12; DB 8; Length 168;
Best Local Similarity 83.3%; Pred. No. 1e+03;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||:|||||
Db      133 GGGGTCTGGAG 144

RESULT 155
US-10-424-599-115511
; Sequence 115511, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 115511
; LENGTH: 175
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT MRT3847_75317C.1
US-10-424-599-115511

Query Match          66.7%; Score 12; DB 7; Length 175;
Best Local Similarity 83.3%; Pred. No. 9.9e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||:|||||
Db      140 GGGGTCTGGAG 151

RESULT 156
US-09-294-121A-61/c
; Sequence 61, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/256,568
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
```

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; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/256,568
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
US-09-294-121A-61

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||:|||||
Db      26 GGGGTCTGGAG 15

RESULT 157
US-09-294-121A-67/c
; Sequence 67, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: 08/256,568
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
```

/ FILING DATE: 26-NOV-1993  
/ PRIOR APPLICATION DATA: EP/93/402,129.6  
/ APPLICATION NUMBER: 19,683  
/ FILING DATE: 31-AUG-1993  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: EP/92/403,222.0  
/ FILING DATE: 27-NOV-1992  
/ ATTORNEY/AGENT INFORMATION:  
/ NAME: CHARLES A. MUSERLIAN  
/ REGISTRATION NUMBER: 19,683  
/ REFERENCE/DOCKET NUMBER: 410.004  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (212) 661-8000  
/ TELEFAX: (212) 661-8002  
/ INFORMATION FOR SEQ ID NO: 67:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 177 base pairs  
/ TYPE: nucleic acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: cDNA  
/ IMMEDIATE SOURCE:  
/ CLONE: gb48  
/ POSITION IN GENOME:  
/ MAP POSITION: 5', untranslated region  
/ US-09-294-121A-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

## RESULT 158

/ US-09-294-121A-68/c  
/ Sequence 68, Application US/09294121A  
/ Patent No. US20020069422A1  
/ GENERAL INFORMATION:  
/ APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
/ APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
/ TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
/ TITLE OF INVENTION: ISOLATES  
/ NUMBER OF SEQUENCES: 97  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: BIERMAN & MUSERLIAN  
/ STREET: 600 THIRD AVENUE  
/ CITY: NEW YORK  
/ STATE: NEW YORK  
/ COUNTRY: USA  
/ ZIP: 10016  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: ASCII  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/294,121A  
/ FILING DATE:  
/ CLASSIFICATION:  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 08/256,568  
/ FILING DATE: 18-JUL-1994  
/ APPLICATION NUMBER: PCT/EP93/03325  
/ FILING DATE: 26-NOV-1993  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: EP/93/402,129.6  
/ FILING DATE: 31-AUG-1993  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: EP/92/403,222.0  
/ FILING DATE: 27-NOV-1992  
/ NAME: CHARLES A. MUSERLIAN  
/ REGISTRATION NUMBER: 19,683  
/ REFERENCE/DOCKET NUMBER: 410.004  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (212) 661-8000  
/ TELEFAX: (212) 661-8002

/ ATTORNEY/AGENT INFORMATION:  
/ NAME: CHARLES A. MUSERLIAN  
/ REGISTRATION NUMBER: 19,683  
/ REFERENCE/DOCKET NUMBER: 410.004  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (212) 661-8000  
/ TELEFAX: (212) 661-8002  
/ INFORMATION FOR SEQ ID NO: 68:  
/ SEQUENCE CHARACTERISTICS:  
/ LENGTH: 177 base pairs  
/ TYPE: nucleic acid  
/ STRANDEDNESS: single  
/ TOPOLOGY: linear  
/ MOLECULE TYPE: cDNA  
/ IMMEDIATE SOURCE:  
/ CLONE: gb116  
/ POSITION IN GENOME:  
/ MAP POSITION: 5', untranslated region  
/ US-09-294-121A-68

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

## RESULT 159

/ US-09-294-121A-69/c  
/ Sequence 69, Application US/09294121A  
/ Patent No. US20020069422A1  
/ GENERAL INFORMATION:  
/ APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
/ APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
/ TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
/ TITLE OF INVENTION: ISOLATES  
/ NUMBER OF SEQUENCES: 97  
/ CORRESPONDENCE ADDRESS:  
/ ADDRESSEE: BIERMAN & MUSERLIAN  
/ STREET: 600 THIRD AVENUE  
/ CITY: NEW YORK  
/ STATE: NEW YORK  
/ COUNTRY: USA  
/ ZIP: 10016  
/ COMPUTER READABLE FORM:  
/ MEDIUM TYPE: Floppy disk  
/ COMPUTER: IBM PC compatible  
/ OPERATING SYSTEM: PC-DOS/MS-DOS  
/ SOFTWARE: ASCII  
/ CURRENT APPLICATION DATA:  
/ APPLICATION NUMBER: US/09/294,121A  
/ FILING DATE:  
/ CLASSIFICATION:  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: 08/256,568  
/ FILING DATE: 18-JUL-1994  
/ APPLICATION NUMBER: PCT/EP93/03325  
/ FILING DATE: 26-NOV-1993  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: EP/93/402,129.6  
/ FILING DATE: 31-AUG-1993  
/ PRIOR APPLICATION DATA:  
/ APPLICATION NUMBER: EP/92/403,222.0  
/ FILING DATE: 27-NOV-1992  
/ NAME: CHARLES A. MUSERLIAN  
/ REGISTRATION NUMBER: 19,683  
/ REFERENCE/DOCKET NUMBER: 410.004  
/ TELECOMMUNICATION INFORMATION:  
/ TELEPHONE: (212) 661-8000  
/ TELEFAX: (212) 661-8002

; INFORMATION FOR SEQ ID NO: 69:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; IMMEDIATE SOURCE:  
; CLONE: 9b569  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-294-121A-69

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGTCCTGGAG 15

## RESULT 160

US-09-294-121A-70/c  
; Sequence 70, Application US/09294121A  
; Patent No. US20020069422A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/294,121A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002

; INFORMATION FOR SEQ ID NO: 70:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna

; IMMEDIATE SOURCE:  
; CLONE: 9b358  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-294-121A-70

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGTCCTGGAG 15

## RESULT 161

US-09-294-121A-72/c  
; Sequence 72, Application US/09294121A  
; Patent No. US20020069422A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/294,121A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002

; INFORMATION FOR SEQ ID NO: 72:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cdna  
; IMMEDIATE SOURCE:  
; CLONE: cam600  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-294-121A-72

Query Match

66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0

QY 1 GGGGUCCUGGAG 12  
26 GGGGTCTTGGAG 15

**RESULT 162**

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US-09-294-121A-73/C
; Sequence 73, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEBERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 73:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: cam736
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-294-121A-73

```

Query Match	66.
Best Local Similarity	83.
Matches	10; Conservative
Qy	1 GGGGUCCUGGAG 12
	:
Db	26 GGGGTCTTGAG 15

RESULT 163

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US-09-294-121A-74/c
; Sequence 74, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/294,121A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 74:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: qb809
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; US-09-294-121A-74

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels

QY 1 GGGGUCCUGGAG 12
||||:|||||
DB 26 GGGGTCCTGGAG 15

RESULT 164
US-09-294-121A-75/c
; Sequence 75, Application US/09294121A
; Patent No. US20020069422A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

```

RESULT 164

US-09-294-121A-75/c  
; Sequence 75, Application US/09294121A  
; Patent No. US20020069422A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GERT; STUYVER, LIEVEN;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTTGGAG 15

APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/294,121A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 75:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb487  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-09-294-121A-75

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTCGAG 15  
||||:|||||

## RESULT 165

US-09-294-121A-76/c  
Sequence 76, Application US/09294121A  
Patent No. US20020069422A1

GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE

CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/294,121A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 76:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb724  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
US-09-294-121A-76

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTCGAG 15  
||||:|||||

## RESULT 166

US-09-294-121A-77/c  
Sequence 77, Application US/09294121A  
Patent No. US20020069422A1

GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
SOFTWARE: ASCII  
APPLICATION NUMBER: US/09/294,121A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 77:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
LIBRARY: be97  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region

US-09-294-121A-77

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
Db 26 GGGGTCTCGAG 15

## RESULT 167

US-09-294-121A-78/c  
Sequence 78, Application US/09294121A  
Patent No. US20020069422A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/294,121A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 78:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: be95  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region

US-09-294-121A-78

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
Db 26 GGGGTCTCGAG 15

## RESULT 168

US-09-294-121A-79/c  
Sequence 79, Application US/09294121A  
Patent No. US20020069422A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
TITLE OF INVENTION: ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/294,121A  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 79:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: be96  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
US-09-294-121A-79

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 169

US-09-294-121A-80/c  
; Sequence 80, Application US/09294121A  
; Patent No. US20020069422A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/294,121A  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004

;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 80:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: be98  
;; POSITION IN GENOME:  
;; MAP POSITION: 5' untranslated region  
US-09-294-121A-80

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCTGGAG 15

## RESULT 170

US-09-899-082A-61/c  
; Sequence 61, Application US/09899082A  
; Patent No. US20020106638A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,082A  
; FILING DATE: 06-JUL-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/378,900  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 61:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid

```
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be82 (also referred to as be99)
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-899-082A-61

Query Match      66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCUGGAG 12
DB 26 GGGGTCCTGGAG 15

RESULT 171
US-09-899-082A-67/c
; Sequence 67, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 67:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: gb48
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-899-082A-61

Query Match      66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCUGGAG 12
DB 26 GGGGTCCTGGAG 15

RESULT 172
US-09-899-082A-68/c
; Sequence 68, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410,004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: gb116
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-899-082A-68

Query Match      66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
```



Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

## RESULT 173

US-09-899-082A-69/c  
; Sequence 69, Application US/09899082A  
; Patent No. US20020106638A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,082A  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 69:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb569

POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 69:  
US-09-899-082A-69

Query Match 66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 9.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

## RESULT 174

US-09-899-082A-70/c  
; Sequence 70, Application US/09899082A  
; Patent No. US20020106638A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,082A  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 70:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb358  
POSITION IN GENOME:  
MAP POSITION: 5', untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 70:  
US-09-899-082A-70

Query Match 66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 9.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

## RESULT 175

US-09-899-082A-72/c  
; Sequence 72, Application US/09899082A  
; Patent No. US20020106638A1  
; GENERAL INFORMATION:

APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
ISOLATES

NUMBER OF SEQUENCES: 97

CORRESPONDENCE ADDRESS:

ADDRESSEE: BIERMAN & MUSERLIAN

STREET: 600 THIRD AVENUE

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: USA

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,082A

FILING DATE: 06-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/378,900

FILING DATE: <Unknown>

APPLICATION NUMBER: 08/256,568

FILING DATE: 18-JUL-1994

APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-AUG-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: CHARLES A. MUSERLIAN

REGISTRATION NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 661-8000

TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 72:

SEQUENCE CHARACTERISTICS:

LENGTH: 177 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

CLONE: cam600

POSITION IN GENOME:

MAP POSITION: 5' untranslated region

SEQUENCE DESCRIPTION: SEQ ID NO: 72:

US-09-899-082A-72

Query Match 66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 9.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 26 GGGGTCCTGGAG 15

|||||:|||||

RESULT 176

US-09-899-082A-73/c

; Sequence 73, Application US/09899082A

; Patent No. US20020106638A1

; GENERAL INFORMATION:

; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO

; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV

; ISOLATES

; NUMBER OF SEQUENCES: 97

; CORRESPONDENCE ADDRESS:

ADDRESSEE: BIERMAN & MUSERLIAN

STREET: 600 THIRD AVENUE

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: USA

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,082A

FILING DATE: 06-Jul-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/378,900

FILING DATE: <Unknown>

APPLICATION NUMBER: 08/256,568

FILING DATE: 18-JUL-1994

APPLICATION NUMBER: PCT/EP93/03325

FILING DATE: 26-NOV-1993

APPLICATION NUMBER: EP/93/402,129.6

FILING DATE: 31-AUG-1993

APPLICATION NUMBER: EP/92/403,222.0

FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:

NAME: CHARLES A. MUSERLIAN

REGISTRATION NUMBER: 19,683

REFERENCE/DOCKET NUMBER: 410.004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 661-8000

TELEFAX: (212) 661-8002

INFORMATION FOR SEQ ID NO: 73:

SEQUENCE CHARACTERISTICS:

LENGTH: 177 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

CLONE: cam736

POSITION IN GENOME:

MAP POSITION: 5' untranslated region

SEQUENCE DESCRIPTION: SEQ ID NO: 73:

US-09-899-082A-73

Query Match 66.7%; Score 12; DB 3; Length 177;

Best Local Similarity 83.3%; Pred. No. 9.8e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

Db 26 GGGGTCCTGGAG 15

|||||:|||||

RESULT 177

US-09-899-082A-74/c

; Sequence 74, Application US/09899082A

; Patent No. US20020106638A1

; GENERAL INFORMATION:

; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;

; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO

; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV

; ISOLATES

; NUMBER OF SEQUENCES: 97

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: BIERMAN & MUSERLIAN

; STREET: 600 THIRD AVENUE

; CITY: NEW YORK

; STATE: NEW YORK

; COUNTRY: USA

; ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,082A  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900  
FILING DATE: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 74:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: gb809  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 74:  
US-09-899-082A-74

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15

RESULT 178  
US-09-899-082A-75/c  
Sequence 75, Application US/09899082A  
Patent No. US20020106638A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/899,082A  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 75:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cdna  
IMMEDIATE SOURCE:  
CLONE: gb487  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 75:  
US-09-899-082A-75  
Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 26 GGGGTCTGGAG 15  
RESULT 179  
US-09-899-082A-76/c  
Sequence 76, Application US/09899082A  
Patent No. US20020106638A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
ISOLATES  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,082A  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/378,900  
FILING DATE: <Unknown>

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; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: 9b724
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 76:
US-09-899-082A-76

Query Match 66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 26 GGGGTCCTGGAG 15
||||:|||||

RESULT 180
US-09-899-082A-77/c
; Sequence 77, Application US/09899082A
; Patent No. US2002010638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,082A
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
```

```
;
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 78:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be95
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 78:
US-09-899-082A-78

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        ||||:||||
Db       26 GGGGTCTGGAG 15

RESULT 182
US-09-899-082A-79/c
; Sequence 79, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
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;
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be96
; POSITION IN GENOME:
; MAP POSITION: 5' untranslated region
; SEQUENCE DESCRIPTION: SEQ ID NO: 79:
US-09-899-082A-79

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        ||||:||||
Db       26 GGGGTCTGGAG 15

RESULT 183
US-09-899-082A-80/c
; Sequence 80, Application US/09899082A
; Patent No. US20020106638A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; CLONE: be98
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;  
;  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
; SEQUENCE DESCRIPTION: SEQ ID NO: 80:  
US-09-899-082A-80

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 184  
US-09-899-302-61/c  
; Sequence 61, Application US/09899302  
; Patent No. US20020168626A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 61:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: be82 (also referred to as be99)  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-61

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 185  
US-09-899-302-67/c  
; Sequence 67, Application US/09899302  
; Patent No. US20020168626A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 67:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: gb48  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12

```
Db          26 GGGGTCCTGGAG 15
||||:||||:||||
US-09-899-302-68/c
; Sequence 68, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER:
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb116
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-899-302-68
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy          1 GGGGUCCUGGAG 12
||||:||||:||||
Db          26 GGGGTCCTGGAG 15
||||:||||:||||
RESULT 187
US-09-899-302-68/c
; Sequence 68, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER:
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb116
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-899-302-68
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy          1 GGGGUCCUGGAG 12
||||:||||:||||
Db          26 GGGGTCCTGGAG 15
||||:||||:||||
RESULT 188
US-09-899-302-70/c
; Sequence 70, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
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US-09-899-302-69/c
; Sequence 69, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER:
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 69:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 177 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; IMMEDIATE SOURCE:
; CLONE: gb569
; POSITION IN GENOME:
; MAP POSITION: 5', untranslated region
US-09-899-302-69
Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Oy          1 GGGGUCCUGGAG 12
||||:||||:||||
Db          26 GGGGTCCTGGAG 15
||||:||||:||||
RESULT 188
US-09-899-302-70/c
; Sequence 70, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
```

APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 70:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb358  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-899-302-70

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

RESULT 189  
US-09-899-302-72/c  
Sequence 72, Application US/09899302  
Patent No. US20020168626A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA

ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,302  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE:  
APPLICATION NUMBER: 08/256,568  
FILING DATE: 18-JUL-1994  
APPLICATION NUMBER: PCT/EP93/03325  
FILING DATE: 26-NOV-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410.004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002  
INFORMATION FOR SEQ ID NO: 72:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: cam600  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
US-09-899-302-72

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 26 GGGGTCCTGGAG 15

RESULT 190  
US-09-899-302-73/c  
Sequence 73, Application US/09899302  
Patent No. US20020168626A1  
GENERAL INFORMATION:  
APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
NUMBER OF SEQUENCES: 97  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BIERMAN & MUSERLIAN  
STREET: 600 THIRD AVENUE  
CITY: NEW YORK  
STATE: NEW YORK  
COUNTRY: USA



;; ZIP: 10016  
;; COMPUTER READABLE FORM: disk  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,302  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; PRIOR APPLICATION NUMBER: 09/378,900  
;; FILING DATE:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 73:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: cam736  
;; POSITION IN GENOME:  
;; MAP POSITION: 5', untranslated region  
US-09-899-302-73

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 191  
US-09-899-302-74/c  
; Sequence 74, Application US/09899302  
; Patent No. US20020168626A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS

;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,302  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 74:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cDNA  
;; IMMEDIATE SOURCE:  
;; CLONE: gb809  
;; POSITION IN GENOME:  
;; MAP POSITION: 5', untranslated region  
US-09-899-302-74

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCCTGGAG 15

RESULT 192  
US-09-899-302-75/c  
; Sequence 75, Application US/09899302  
; Patent No. US20020168626A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:

;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE: 08/256,568  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 75:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cdna  
;; IMMEDIATE SOURCE:  
;; CLONE: gb487  
;; POSITION IN GENOME:  
;; MAP POSITION: 5', untranslated region  
US-09-899-302-75

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCCTGGAG 15

RESULT 193  
US-09-899-302-76/c  
;; Sequence 76, Application US/098999302  
;; Patent No. US20020168626A1  
;; GENERAL INFORMATION:  
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
;; TITLE OF INVENTION: ISOLATES  
;; NUMBER OF SEQUENCES: 97  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,302  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994

;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/92/403,222.0  
;; FILING DATE: 27-NOV-1992  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: CHARLES A. MUSERLIAN  
;; REGISTRATION NUMBER: 19,683  
;; REFERENCE/DOCKET NUMBER: 410.004  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: (212) 661-8000  
;; TELEFAX: (212) 661-8002  
;; INFORMATION FOR SEQ ID NO: 76:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 177 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; MOLECULE TYPE: cdna  
;; IMMEDIATE SOURCE:  
;; CLONE: gb724  
;; POSITION IN GENOME:  
;; MAP POSITION: 5', untranslated region  
US-09-899-302-76

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 26 GGGGTCCTGGAG 15

RESULT 194  
US-09-899-302-77/c  
;; Sequence 77, Application US/098999302  
;; Patent No. US20020168626A1  
;; GENERAL INFORMATION:  
;; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
;; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
;; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
;; TITLE OF INVENTION: ISOLATES  
;; NUMBER OF SEQUENCES: 97  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: BIERMAN & MUSERLIAN  
;; STREET: 600 THIRD AVENUE  
;; CITY: NEW YORK  
;; STATE: NEW YORK  
;; COUNTRY: USA  
;; ZIP: 10016  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Floppy disk  
;; COMPUTER: IBM PC compatible  
;; OPERATING SYSTEM: PC-DOS/MS-DOS  
;; SOFTWARE: ASCII  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/899,302  
;; FILING DATE:  
;; CLASSIFICATION:  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: 09/378,900  
;; FILING DATE:  
;; APPLICATION NUMBER: 08/256,568  
;; FILING DATE: 18-JUL-1994  
;; APPLICATION NUMBER: PCT/EP93/03325  
;; FILING DATE: 26-NOV-1993  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER: EP/93/402,129.6  
;; FILING DATE: 31-AUG-1993

; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 77:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; LIBRARY: be97  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-77

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:  
Db 26 GGGGTCTCGAG 15

## RESULT 195

US-09-899-302-78/c  
; Sequence 78, Application US/09899302  
; Patent No. US20020168626A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN

; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002  
; INFORMATION FOR SEQ ID NO: 78:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 177 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; IMMEDIATE SOURCE:  
; CLONE: be95  
; POSITION IN GENOME:  
; MAP POSITION: 5', untranslated region  
US-09-899-302-78

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:  
Db 26 GGGGTCTCGAG 15

## RESULT 196

US-09-899-302-79/c  
; Sequence 79, Application US/09899302  
; Patent No. US20020168626A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; TITLE OF INVENTION: ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: ASCII  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/899,302  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 09/378,900  
; FILING DATE:  
; APPLICATION NUMBER: 08/256,568  
; FILING DATE: 18-JUL-1994  
; APPLICATION NUMBER: PCT/EP93/03325  
; FILING DATE: 26-NOV-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/93/402,129.6  
; FILING DATE: 31-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: EP/92/403,222.0  
; FILING DATE: 27-NOV-1992  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CHARLES A. MUSERLIAN  
; REGISTRATION NUMBER: 19,683  
; REFERENCE/DOCKET NUMBER: 410.004  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 661-8000  
; TELEFAX: (212) 661-8002

```
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 177 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cdna
;   IMMEDIATE SOURCE:
;   CLONE: be96
;   POSITION IN GENOME:
;   MAP POSITION: 5', untranslated region
US-09-899-302-79

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      26 GGGGTCCTGGAG 15

RESULT 197
US-09-899-302-80/c
; Sequence 80, Application US/09899302
; Patent No. US20020168626A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,302
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE:
; APPLICATION NUMBER: 08/256,568
; FILING DATE: 18-JUL-1994
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 80:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 177 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single

; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 177 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cdna
;   IMMEDIATE SOURCE:
;   CLONE: be98
;   POSITION IN GENOME:
;   MAP POSITION: 5', untranslated region
US-09-899-302-80

Query Match          66.7%; Score 12; DB 3; Length 177;
Best Local Similarity 83.3%; Pred. No. 9.8e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
Db      26 GGGGTCCTGGAG 15

RESULT 198
US-09-899-044-61/c
; Sequence 61, Application US/09899044
; Publication No. US20030036053A1
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;
; APPLICANT: ROSSAU, RUDI; VAN HEUVERSWYN, HUGO
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV
; TITLE OF INVENTION: ISOLATES
; NUMBER OF SEQUENCES: 97
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BIERMAN & MUSERLIAN
; STREET: 600 THIRD AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/899,044
; FILING DATE: 06-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/378,900
; FILING DATE: <Unknown>
; APPLICATION NUMBER: PCT/EP93/03325
; FILING DATE: 26-NOV-1993
; APPLICATION NUMBER: EP/93/402,129.6
; FILING DATE: 31-AUG-1993
; APPLICATION NUMBER: EP/92/403,222.0
; FILING DATE: 27-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: CHARLES A. MUSERLIAN
; REGISTRATION NUMBER: 19,683
; REFERENCE/DOCKET NUMBER: 410.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 661-8000
; TELEFAX: (212) 661-8002
; INFORMATION FOR SEQ ID NO: 61:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 177 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cdna
;   IMMEDIATE SOURCE:
;   CLONE: be82 (also referred to as be99)
;   POSITION IN GENOME:
;   MAP POSITION: 5', untranslated region
;   SEQUENCE DESCRIPTION: SEQ ID NO: 61:
US-09-899-044-61
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Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02; Indels 0; Gaps 0;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTCTGGAG 15

## RESULT 199

US-09-899-044-67/c  
; Sequence 67, Application US/09899044  
; Publication No. US20030036053A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002

SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: qb48  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 67:

US-09-899-044-67

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02; Indels 0; Gaps 0;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTCTGGAG 15

## RESULT 200

US-09-899-044-68/c  
; Sequence 68, Application US/09899044  
; Publication No. US20030036053A1  
; GENERAL INFORMATION:  
; APPLICANT: MAERTENS, GEERT; STUYVER, LIEVEN;  
; TITLE OF INVENTION: PROCESS FOR TYPING OF HCV  
; ISOLATES  
; NUMBER OF SEQUENCES: 97  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BIERMAN & MUSERLIAN  
; STREET: 600 THIRD AVENUE  
; CITY: NEW YORK  
; STATE: NEW YORK  
; COUNTRY: USA  
; ZIP: 10016

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/899,044  
FILING DATE: 06-Jul-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/378,900  
FILING DATE: <Unknown>  
FILING DATE: 26-NOV-1993  
APPLICATION NUMBER: EP/93/402,129.6  
FILING DATE: 31-AUG-1993  
APPLICATION NUMBER: EP/92/403,222.0  
FILING DATE: 27-NOV-1992

ATTORNEY/AGENT INFORMATION:  
NAME: CHARLES A. MUSERLIAN  
REGISTRATION NUMBER: 19,683  
REFERENCE/DOCKET NUMBER: 410,004  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 661-8000  
TELEFAX: (212) 661-8002

SEQUENCE CHARACTERISTICS:  
LENGTH: 177 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
IMMEDIATE SOURCE:  
CLONE: gb116  
POSITION IN GENOME:  
MAP POSITION: 5' untranslated region  
SEQUENCE DESCRIPTION: SEQ ID NO: 68:

US-09-899-044-68

Query Match 66.7%; Score 12; DB 3; Length 177;  
Best Local Similarity 83.3%; Pred. No. 9.8e+02; Indels 0; Gaps 0;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
Db 26 GGGGTCTCTGGAG 15

Search completed: February 27, 2006, 09:14:26  
Job time : 354 secs

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GenCore version 5.1.7  
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OM nucleic - nucleic search, using sw model

Run on: February 27, 2006, 08:13:06 ; Search time 576.474 Seconds  
(without alignments)  
66.582 Million cell updates/sec

Title: US-08-887-505B-38

Perfect score: 18

Sequence: 1 GGGGUCCUGAGNNNNN 18

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 7209121 seqs, 1066183437 residues

Word size : 0

Total number of hits satisfying chosen parameters: 14418242

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database : Published Applications NA.New.\*

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- 2: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq\*
- 3: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq\*
- 4: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq\*
- 5: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq\*
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- 12: /cgn2\_6/ptodata/1/pubpna/US11\_NEW\_PUB.seq4\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15	83.3	29	12	US-11-193-526-10
2	15	83.3	29	12	US-11-193-526-11
3	14	77.8	598	8	US-10-750-185-21878
4	14	77.8	598	8	US-10-750-623-21878
5	12	66.7	18	8	US-10-310-914A-696867
6	12	66.7	18	8	US-10-310-914A-736744
7	12	66.7	19	8	US-10-310-914A-1171689
8	12	66.7	19	8	US-10-310-914A-1374455
9	12	66.7	20	8	US-10-310-914A-443589
10	12	66.7	20	8	US-10-310-914A-1302631
11	12	66.7	21	8	US-10-310-914A-289851
12	12	66.7	21	8	US-10-310-914A-443582
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14	12	66.7	21	8	US-10-310-914A-795102
15	12	66.7	22	8	US-10-528-644A-37
16	12	66.7	22	8	US-10-310-914A-214781
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18	12	66.7	22	8	US-10-310-914A-214796
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20	12	66.7	22	8	US-10-310-914A-289943

21	12	66.7	22	8	US-10-310-914A-385850
22	12	66.7	22	8	US-10-310-914A-443575
23	12	66.7	23	8	US-10-310-914A-289853
24	12	66.7	23	8	US-10-310-914A-443585
25	12	66.7	23	8	US-10-310-914A-1039070
26	12	66.7	23	12	US-11-193-526-111
27	12	66.7	23	12	US-11-193-526-112
28	12	66.7	24	8	US-10-310-914A-736761
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92	12	66.7	282	9	US-11-198-746-130
93	12	66.7	282	9	US-11-198-794-134

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c 96	12	66.7	326	7	US-10-538-471-1	Sequence 1, Appli	169	12	66.7	582	12	US-11-128-061-5550	Sequence 5550, App
c 97	12	66.7	341	9	US-11-166-234-3	Sequence 3, Appli	170	12	66.7	582	12	US-11-128-049-1908	Sequence 1908, App
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c 127	12	66.7	525	6	US-09-925-065A-481696	Sequence 481696, App	c 200	12	66.7	622	6	US-09-925-065A-403047	Sequence 403047, App
c 128	12	66.7	529	6	US-09-925-065A-310603	Sequence 310603, App	c 201	12	66.7	622	6	US-09-925-065A-403048	Sequence 403048, App
c 129	12	66.7	532	6	US-09-925-065A-471303	Sequence 471303, App	c 202	12	66.7	626	6	US-09-925-065A-720710	Sequence 720710, App
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c 132	12	66.7	532	12	US-11-136-527-4915	Sequence 4915, App	c 205	12	66.7	643	6	US-09-925-065A-477689	Sequence 477689, App
c 133	12	66.7	536	12	US-11-128-061-449	Sequence 249, App	c 206	12	66.7	645	6	US-09-925-065A-866924	Sequence 866924, App
c 134	12	66.7	536	12	US-11-128-061-3891	Sequence 3891, App	c 207	12	66.7	646	6	US-09-925-065A-796901	Sequence 796901, App
c 135	12	66.7	536	12	US-11-128-049-249	Sequence 249, App	c 208	12	66.7	648	6	US-09-925-065A-207504	Sequence 207504, App
c 136	12	66.7	536	12	US-11-128-049-3891	Sequence 3891, App	c 209	12	66.7	648	6	US-09-925-065A-207505	Sequence 207505, App
c 137	12	66.7	538	6	US-09-925-065A-365293	Sequence 365293, App	c 210	12	66.7	648	6	US-09-925-065A-207506	Sequence 207506, App
c 138	12	66.7	538	6	US-09-925-065A-52375	Sequence 52375, A	c 211	12	66.7	666	6	US-09-925-065A-711147	Sequence 711147, App
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c 140	12	66.7	544	6	US-09-925-065A-101260	Sequence 101260, App	c 213	12	66.7	676	6	US-09-925-065A-470581	Sequence 470581, App
c 141	12	66.7	545	6	US-09-925-065A-147671	Sequence 147671, App	c 214	12	66.7	676	6	US-09-925-065A-826291	Sequence 826291, App
c 142	12	66.7	545	6	US-09-925-065A-147672	Sequence 147672, App	c 215	12	66.7	676	6	US-09-925-065A-833179	Sequence 833179, App
c 143	12	66.7	545	6	US-09-925-065A-422939	Sequence 422939, App	c 216	12	66.7	681	6	US-09-925-065A-836958	Sequence 836958, App
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c 145	12	66.7	554	6	US-09-925-065A-844140	Sequence 844140, App	c 218	12	66.7	695	6	US-09-925-065A-918766	Sequence 918766, App
c 146	12	66.7	556	6	US-09-925-065A-147672	Sequence 147672, App	c 219	12	66.7	696	6	US-09-925-065A-784116	Sequence 784116, App
c 147	12	66.7	557	6	US-09-925-065A-264999	Sequence 264999, App	c 220	12	66.7	696	6	US-09-925-065A-784117	Sequence 784117, App
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c 149	12	66.7	568	6	US-09-925-065A-438993	Sequence 438993, App	c 222	12	66.7	710	6	US-09-925-065A-932238	Sequence 932238, App
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c 161	12	66.7	578	6	US-09-925-065A-519468	Sequence 519468, App	c 234	12	66.7	907	12	US-11-128-061-3525	Sequence 3525, App
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c 164	12	66.7	578	12	US-11-128-061-5631	Sequence 5631, App	c 237	12	66.7	1042	6	US-09-925-065A-718149	Sequence 718149, App
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c 166	12	66.7	578	12	US-11-128-049-5631	Sequence 5631, App	c 239	12	66.7	1042	6	US-09-925-065A-718151	Sequence 718151, App



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C 242	12	66.7	1071	6	US-09-925-065A-37752	Sequence 37752, A	C 315	12	66.7	2173	6	US-11-072-513-731	Sequence 731, App
C 243	12	66.7	1071	6	US-09-925-065A-37753	Sequence 37753, A	C 316	12	66.7	2196	12	US-11-080-991-91	Sequence 91, Appl
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C 245	12	66.7	1197	6	US-09-925-065A-37749	Sequence 37749, A	C 318	12	66.7	2260	12	US-11-186-284-120	Sequence 120, Appl
C 246	12	66.7	1197	6	US-09-925-065A-37750	Sequence 37750, A	C 319	12	66.7	2260	12	US-11-186-284-120	Sequence 120, Appl
C 247	12	66.7	1222	6	US-09-925-065A-31365	Sequence 31365, A	C 320	12	66.7	2281	12	US-11-087-227-19	Sequence 19, Appl
C 248	12	66.7	1222	6	US-10-115-609-38	Sequence 31365, A	C 321	12	66.7	2501	8	US-10-821-234-182	Sequence 182, Appl
C 249	12	66.7	1228	7	US-09-925-065A-82259	Sequence 82259, A	C 322	12	66.7	2704	6	US-09-925-065A-36877	Sequence 36877, A
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C 253	12	66.7	1249	12	US-11-128-049-527	Sequence 527, App	C 326	12	66.7	2829	8	US-10-750-185-26265	Sequence 26265, A
C 254	12	66.7	1253	6	US-09-925-065A-693797	Sequence 693797, A	C 327	12	66.7	2829	8	US-10-750-623-26265	Sequence 26265, A
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C 259	12	66.7	1329	8	US-10-821-234-742	Sequence 742, App	C 332	12	66.7	3058	8	US-10-750-623-48442	Sequence 48442, A
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C 266	12	66.7	1404	12	US-11-041-095-61	Sequence 61, Appl	C 339	12	66.7	4119	12	US-11-128-049-1127	Sequence 1127, App
C 267	12	66.7	1420	6	US-09-925-065A-724838	Sequence 724838, A	C 340	12	66.7	4282	12	US-11-128-061-452	Sequence 452, App
C 268	12	66.7	1420	6	US-09-925-065A-724839	Sequence 724839, A	C 341	12	66.7	4282	12	US-11-128-049-452	Sequence 452, App
C 269	12	66.7	1467	8	US-10-821-234-802	Sequence 802, App	C 342	12	66.7	4305	12	US-11-128-061-465	Sequence 465, App
C 270	12	66.7	1488	8	US-10-750-185-28612	Sequence 802, App	C 343	12	66.7	4305	12	US-11-128-049-465	Sequence 465, App
C 271	12	66.7	1488	8	US-10-750-623-29612	Sequence 29612, A	C 344	12	66.7	4877	12	US-11-169-041-51	Sequence 51, Appl
C 272	12	66.7	1500	6	US-09-925-065A-43187	Sequence 43187, A	C 345	12	66.7	5161	8	US-10-909-125-802	Sequence 802, App
C 273	12	66.7	1510	6	US-09-925-065A-43187	Sequence 43187, A	C 346	12	66.7	5572	7	US-11-186-384-38	Sequence 38, Appl
C 274	12	66.7	1532	6	US-09-925-065A-673622	Sequence 673622, A	C 347	12	66.7	5704	12	US-10-893-483-136	Sequence 136, App
C 275	12	66.7	1532	6	US-09-925-065A-673623	Sequence 673623, A	C 348	12	66.7	6076	12	US-11-136-527-2597	Sequence 2597, App
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C 277	12	66.7	1543	8	US-10-750-623-47039	Sequence 47039, A	C 350	12	66.7	6108	12	US-11-128-049-1027	Sequence 1027, App
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C 279	12	66.7	1572	12	US-11-041-095-57	Sequence 57, Appl	C 352	12	66.7	6683	8	US-10-995-561-473	Sequence 473, App
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C 281	12	66.7	1578	8	US-10-750-623-45602	Sequence 45602, A	C 354	12	66.7	6786	12	US-11-069-834-59	Sequence 59, Appl
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C 283	12	66.7	1614	12	US-11-135-604-5	Sequence 5, Appl	C 356	12	66.7	6871	8	US-10-995-561-474	Sequence 609, App
C 284	12	66.7	1625	8	US-10-750-185-53938	Sequence 53938, A	C 357	12	66.7	7848	12	US-11-173-792-7	Sequence 7, Appl
C 285	12	66.7	1625	8	US-10-750-623-53938	Sequence 53938, A	C 358	12	66.7	7979	8	US-10-509-921-9	Sequence 9, Appl
C 286	12	66.7	1656	6	US-09-925-065A-66949	Sequence 66949, A	C 359	12	66.7	7979	8	US-10-509-921-10	Sequence 10, Appl
C 287	12	66.7	1656	6	US-09-925-065A-66950	Sequence 66950, A	C 360	12	66.7	7979	8	US-10-509-921-11	Sequence 11, Appl
C 288	12	66.7	1656	6	US-09-925-065A-66951	Sequence 66951, A	C 361	12	66.7	7979	8	US-10-509-921-12	Sequence 12, Appl
C 289	12	66.7	1665	8	US-09-925-065A-66952	Sequence 66952, A	C 362	12	66.7	7980	8	US-10-509-921-5	Sequence 4, Appl
C 290	12	66.7	1665	8	US-10-750-185-32669	Sequence 32669, A	C 363	12	66.7	7980	8	US-10-509-921-5	Sequence 5, Appl
C 291	12	66.7	1665	8	US-10-750-623-32669	Sequence 32669, A	C 364	12	66.7	7983	8	US-10-509-921-7	Sequence 7, Appl
C 292	12	66.7	1681	6	US-09-925-065A-68113	Sequence 68113, A	C 365	12	66.7	7987	12	US-11-173-792-5	Sequence 5, Appl
C 293	12	66.7	1682	6	US-09-925-065A-13255	Sequence 13255, A	C 366	12	66.7	7987	12	US-11-173-792-8	Sequence 8, Appl
C 294	12	66.7	1682	6	US-09-925-065A-13256	Sequence 13256, A	C 367	12	66.7	7987	12	US-11-173-792-13	Sequence 13, Appl
C 295	12	66.7	1682	6	US-09-925-065A-13257	Sequence 13257, A	C 368	12	66.7	7989	8	US-10-509-921-2	Sequence 2, Appl
C 296	12	66.7	1682	6	US-09-925-065A-13258	Sequence 13258, A	C 369	12	66.7	7989	8	US-10-509-921-6	Sequence 6, Appl
C 297	12	66.7	1682	6	US-09-925-065A-13259	Sequence 13259, A	C 370	12	66.7	7989	8	US-10-509-921-8	Sequence 8, Appl
C 298	12	66.7	1682	6	US-09-925-065A-13260	Sequence 13260, A	C 371	12	66.7	7989	8	US-10-509-921-13	Sequence 13, Appl
C 299	12	66.7	1765	6	US-09-925-065A-673991	Sequence 673991, A	C 372	12	66.7	7989	8	US-10-509-921-14	Sequence 14, Appl
C 300	12	66.7	1765	6	US-09-925-065A-673992	Sequence 673992, A	C 373	12	66.7	7989	12	US-11-119-330-1	Sequence 1, Appl
C 301	12	66.7	1781	12	US-11-136-527-483	Sequence 483, App	C 374	12	66.7	7989	12	US-11-173-792-6	Sequence 6, Appl
C 302	12	66.7	1822	6	US-09-925-065A-73950	Sequence 73950, A	C 375	12	66.7	7989	12	US-11-173-792-9	Sequence 9, Appl
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C 304	12	66.7	1927	12	US-11-136-527-1006	Sequence 1006, App	C 377	12	66.7	7992	12	US-10-509-921-3	Sequence 3, Appl
C 305	12	66.7	1933	6	US-09-925-065A-681717	Sequence 681717, A	C 378	12	66.7	7992	12	US-11-111-686-1	Sequence 1, Appl
C 306	12	66.7	1933	6	US-09-925-065A-681718	Sequence 681718, A	C 379	12	66.7	7992	12	US-11-111-686-2	Sequence 2, Appl
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C 308	12	66.7	1991	8	US-10-750-623-63234	Sequence 63234, A	C 381	12	66.7	7992	12	US-11-111-686-5	Sequence 5, Appl
C 309	12	66.7	2073	8	US-10-750-185-53658	Sequence 53658, A	C 382	12	66.7	7992	12	US-11-111-686-6	Sequence 6, Appl
C 310	12	66.7	2073	8	US-10-750-623-53658	Sequence 53658, A	C 383	12	66.7	7995	12	US-11-111-686-3	Sequence 3, Appl
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C 312	12	66.7	2125	6	US-09-925-065A-55697	Sequence 55697, A	C 385	12	66.7	9603	12	US-11-128-061-1069	Sequence 1069, App

C 386	12	66.7	9603	12	US-11-128-049-1069	Sequence 1069, Ap	11	61.1	19	11	US-11-083-784-1372193	Sequence 1372193,
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C 389	12	66.7	10372	12	US-11-124-367A-181	Sequence 181, App	11	61.1	20	8	US-10-310-914A-387653	Sequence 387653,
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C 391	12	66.7	10475	12	US-11-124-367A-182	Sequence 182, App	11	61.1	20	8	US-10-310-914A-746678	Sequence 746678,
C 392	12	66.7	10931	7	US-10-893-483-137	Sequence 137, App	11	61.1	20	8	US-10-310-914A-761083	Sequence 761083,
C 393	12	66.7	11062	12	US-11-128-061-566	Sequence 566, App	11	61.1	21	8	US-10-858-341-39	Sequence 39, Appl
C 394	12	66.7	11062	12	US-11-128-049-566	Sequence 566, App	11	61.1	21	8	US-10-310-914A-937746	Sequence 937746,
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C 398	12	66.7	25968	8	US-10-995-561-13248	Sequence 13248, A	11	61.1	21	8	US-10-310-914A-1260424	Sequence 1260424,
C 399	12	66.7	28933	8	US-10-995-561-13285	Sequence 13285, A	11	61.1	21	12	US-11-128-024-10	Sequence 10, Appl
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C 401	12	66.7	32038	12	US-11-124-367A-5071	Sequence 5071, Ap	11	61.1	22	8	US-10-310-914A-615668	Sequence 615668,
C 402	12	66.7	34875	8	US-10-775-169-316	Sequence 316, App	11	61.1	22	8	US-10-310-914A-615683	Sequence 615683,
C 403	12	66.7	38449	8	US-10-995-561-13358	Sequence 1358, A	11	61.1	22	8	US-10-310-914A-666938	Sequence 666938,
C 404	12	66.7	40394	8	US-10-995-561-13493	Sequence 13493, A	11	61.1	22	8	US-10-310-914A-667005	Sequence 667005,
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C 406	12	66.7	51917	8	US-10-995-561-13338	Sequence 13338, A	11	61.1	22	8	US-10-310-914A-746681	Sequence 746681,
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C 408	12	66.7	73072	12	US-11-124-368A-2919	Sequence 2919, Ap	11	61.1	22	8	US-10-310-914A-920754	Sequence 920754,
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C 410	12	66.7	84409	8	US-10-995-561-13349	Sequence 1349, A	11	61.1	22	8	US-10-310-914A-1374498	Sequence 1374498,
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c 691	11	61.1	484	6	US-09-925-065A-807364	Sequence 807364,	c 764	11	61.1	527	6	US-09-925-065A-523419	Sequence 523419,
c 692	11	61.1	485	6	US-09-925-065A-360363	Sequence 360363,	765	11	61.1	527	6	US-09-925-065A-835118	Sequence 835118,
c 693	11	61.1	485	6	US-09-925-065A-360364	Sequence 360364,	766	11	61.1	528	6	US-09-925-065A-886675	Sequence 886675,
c 694	11	61.1	486	6	US-09-925-065A-483569	Sequence 483569,	767	11	61.1	529	6	US-09-925-065A-631195	Sequence 631195,
c 695	11	61.1	491	6	US-09-925-065A-492531	Sequence 492531,	c 768	11	61.1	530	6	US-09-925-065A-34936	Sequence 34936, A
c 696	11	61.1	491	6	US-09-925-065A-492531	Sequence 492531,	c 769	11	61.1	530	6	US-09-925-065A-234671	Sequence 234671,
c 697	11	61.1	494	6	US-09-925-065A-512135	Sequence 512135,	c 770	11	61.1	531	6	US-09-925-065A-97680	Sequence 97680, A
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c 699	11	61.1	497	12	US-11-128-061-3470	Sequence 3470, Ap	c 772	11	61.1	531	12	US-11-128-049-4234	Sequence 4234, Ap
c 700	11	61.1	497	12	US-11-128-061-7112	Sequence 7112, Ap	c 773	11	61.1	534	6	US-09-925-065A-160564	Sequence 160564,
c 701	11	61.1	497	12	US-11-128-049-3470	Sequence 3470, Ap	774	11	61.1	534	6	US-09-925-065A-160565	Sequence 160565,
c 702	11	61.1	497	12	US-11-128-049-7112	Sequence 7112, Ap	775	11	61.1	534	6	US-09-925-065A-219206	Sequence 219206,
c 703	11	61.1	498	12	US-11-224-076-8	Sequence 8,	c 776	11	61.1	535	6	US-09-925-065A-197159	Sequence 197159,
c 704	11	61.1	501	6	US-09-925-065A-288133	Sequence 288133,	c 777	11	61.1	535	6	US-09-925-065A-253777	Sequence 253777,
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c 706	11	61.1	506	6	US-09-925-065A-466957	Sequence 466957,	779	11	61.1	535	12	US-11-234-786-596	Sequence 596, App
c 707	11	61.1	506	6	US-09-925-065A-309093	Sequence 309093,	c 780	11	61.1	536	6	US-09-925-065A-19841	Sequence 19841, A
c 708	11	61.1	507	6	US-09-925-065A-581272	Sequence 581272,	781	11	61.1	536	6	US-09-925-065A-19842	Sequence 19842, A
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712	11	61.1	511	6	US-09-925-065A-416761	Sequence 416761,	c 785	11	61.1	539	8	US-10-888-341-29	Sequence 29, Appl
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c 717	11	61.1	511	6	US-09-925-065A-476170	Sequence 476170,	c 790	11	61.1	541	6	US-09-925-065A-746648	Sequence 746648,
c 718	11	61.1	511	6	US-09-925-065A-476219	Sequence 476219,	c 791	11	61.1	541	6	US-09-925-065A-746649	Sequence 746649,
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c 723	11	61.1	512	6	US-09-925-065A-460546	Sequence 460546,	c 796	11	61.1	542	6	US-09-925-065A-547055	Sequence 547055,
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c 728	11	61.1	513	6	US-09-925-065A-533397	Sequence 533397,	c 801	11	61.1	543	6	US-09-925-065A-660657	Sequence 660657,
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c 735	11	61.1	516	6	US-09-925-065A-258990	Sequence 258990,	c 808	11	61.1	545	6	US-09-925-065A-349871	Sequence 349871,
c 736	11	61.1	516	6	US-09-925-065A-264477	Sequence 264477,	c 809	11	61.1	546	6	US-09-925-065A-525556	Sequence 525556,
c 737	11	61.1	516	6	US-09-925-065A-264478	Sequence 264478,	c 810	11	61.1	547	6	US-09-925-065A-41758	Sequence 41758, A
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c 739	11	61.1	518	6	US-09-925-065A-426531	Sequence 426531,	812	11	61.1	547	6	US-09-925-065A-519460	Sequence 519460,
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c 744	11	61.1	519	6	US-09-925-065A-739250	Sequence 739250,	c 817	11	61.1	548	6	US-09-925-065A-192159	Sequence 192159,
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c 746	11	61.1	520	6	US-09-925-065A-423648	Sequence 423648,	c 819	11	61.1	550	6	US-09-925-065A-77425	Sequence 77425, A
c 747	11	61.1	520	6	US-09-925-065A-423649	Sequence 423649,	c 820	11	61.1	550	6	US-09-925-065A-368321	Sequence 368321,
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c 750	11	61.1	522	6	US-09-925-065A-17859	Sequence 17859, A	823	11	61.1	552	6	US-09-925-065A-567040	Sequence 567040,

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832	11	61.1	554	12	US-11-128-049-47	Sequence 47, Appl	c 905	11	61.1	577	6	US-09-925-065A-498714	Sequence 498714,
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846	11	61.1	560	6	US-09-925-065A-396032	Sequence 396032,	c 919	11	61.1	578	12	US-11-128-061-4860	Sequence 4860, App
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850	11	61.1	562	12	US-11-136-527-3106	Sequence 3106, App	c 923	11	61.1	578	12	US-11-128-049-1242	Sequence 1242, App
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852	11	61.1	563	6	US-09-925-065A-303114	Sequence 303114,	c 925	11	61.1	578	12	US-11-128-049-4860	Sequence 4860, App
853	11	61.1	563	6	US-09-925-065A-470727	Sequence 470727,	c 926	11	61.1	578	12	US-11-128-049-4884	Sequence 4884, App
854	11	61.1	563	6	US-09-925-065A-689088	Sequence 689088,	c 927	11	61.1	578	12	US-11-128-049-5259	Sequence 5259, App
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859	11	61.1	565	6	US-09-925-065A-284066	Sequence 284066,	c 932	11	61.1	579	12	US-11-128-061-1404	Sequence 1404, App
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865	11	61.1	567	6	US-09-925-065A-139307	Sequence 139307,	c 938	11	61.1	580	6	US-09-925-065A-910578	Sequence 910578,
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871	11	61.1	569	6	US-09-925-065A-243959	Sequence 243959,	c 944	11	61.1	582	6	US-09-925-065A-299021	Sequence 299021,
872	11	61.1	569	6	US-09-925-065A-611475	Sequence 611475,	c 945	11	61.1	582	6	US-09-925-065A-299022	Sequence 299022,
873	11	61.1	569	6	US-09-925-065A-611476	Sequence 611476,	c 946	11	61.1	582	6	US-09-925-065A-299023	Sequence 299023,
874	11	61.1	569	6	US-09-925-065A-130964	Sequence 130964,	c 947	11	61.1	582	6	US-09-925-065A-351116	Sequence 351116,
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878	11	61.1	570	6	US-09-925-065A-401011	Sequence 401011,	c 951	11	61.1	582	6	US-09-925-065A-571853	Sequence 571853,
879	11	61.1	570	6	US-09-925-065A-895883	Sequence 895883,	c 952	11	61.1	584	6	US-09-925-065A-279494	Sequence 279494,
880	11	61.1	570	6	US-09-925-065A-916758	Sequence 916758,	c 953	11	61.1	584	6	US-09-925-065A-365390	Sequence 365390,
881	11	61.1	571	6	US-09-925-065A-405786	Sequence 405786,	c 954	11	61.1	584	6	US-09-925-065A-365391	Sequence 365391,
882	11	61.1	571	6	US-09-925-065A-405787	Sequence 405787,	c 955	11	61.1	585	6	US-09-925-065A-399071	Sequence 399071,
883	11	61.1	571	6	US-09-925-065A-405788	Sequence 405788,	c 956	11	61.1	585	6	US-09-925-065A-456954	Sequence 456954,
884	11	61.1	571	6	US-09-925-065A-145632	Sequence 145632,	c 957	11	61.1	585	6	US-09-925-065A-456955	Sequence 456955,
885	11	61.1	572	6	US-09-925-065A-145633	Sequence 145633,	c 958	11	61.1	585	6	US-09-925-065A-456956	Sequence 456956,
886	11	61.1	572	6	US-09-925-065A-196133	Sequence 196133,	c 959	11	61.1	586	6	US-09-925-065A-144594	Sequence 144594,
887	11	61.1	572	6	US-09-925-065A-839965	Sequence 839965,	c 960	11	61.1	586	6	US-09-925-065A-435062	Sequence 435062,
888	11	61.1	572	6	US-09-925-065A-908811	Sequence 908811,	c 961	11	61.1	587	6	US-09-925-065A-271798	Sequence 271798,
889	11	61.1	572	6	US-09-925-065A-139386	Sequence 139386,	c 962	11	61.1	587	6	US-09-925-065A-271799	Sequence 271799,
890	11	61.1	573	6	US-09-925-065A-245321	Sequence 245321,	c 963	11	61.1	587	6	US-09-925-065A-328955	Sequence 328955,
891	11	61.1	573	6	US-09-925-065A-245322	Sequence 245322,	c 964	11	61.1	587	6	US-09-925-065A-421223	Sequence 421223,
892	11	61.1	573	6	US-09-925-065A-245323	Sequence 245323,	c 965	11	61.1	587	6	US-09-925-065A-499270	Sequence 499270,
893	11	61.1	573	6	US-09-925-065A-245324	Sequence 245324,	c 966	11	61.1	587	6	US-09-925-065A-499271	Sequence 499271,
894	11	61.1	573	6	US-09-925-065A-245324	Sequence 245324,	c 967	11	61.1	587	6	US-09-925-065A-499272	Sequence 499272,
895	11	61.1	573	6	US-09-925-065A-245324	Sequence 245324,	c 968	11	61.1	587	6	US-09-925-065A-511422	Sequence 511422,
896	11	61.1	574	6	US-09-925-065A-343030	Sequence 343030,	c 969	11	61.1	587	6	US-09-925-065A-822363	Sequence 822363,



Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 5 UCCUGGAGNNNNN 18  
:|||||  
Db 166 TCCTGGAGNNNNN 153

## RESULT 4

US-10-750-623-21878/c  
; Sequence 21878, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-1  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 21878  
; LENGTH: 598  
; TYPE: DNA  
; ORGANISM: Bovine MMBT09991  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(158)  
; OTHER INFORMATION: n is any nucleotide  
US-10-750-623-21878

Query Match 77.8%; Score 14; DB 8; Length 598;  
Best Local Similarity 85.7%; Pred. No. 21;  
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 5 UCCUGGAGNNNNN 18  
:|||||  
Db 166 TCCTGGAGNNNNN 153

## RESULT 5

US-10-310-914A-696867  
; Sequence 696867, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 696867  
; LENGTH: 18  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-696867

Query Match 66.7%; Score 12; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
:|||||  
Db 7 GGGGUCCUGGAG 18

Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 5 UCCUGGAGNNNNN 18  
:|||||  
Db 166 TCCTGGAGNNNNN 153

## RESULT 4

US-10-750-623-21878/c  
; Sequence 21878, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-1  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 21878  
; LENGTH: 598  
; TYPE: DNA  
; ORGANISM: Bovine MMBT09991  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)..(158)  
; OTHER INFORMATION: n is any nucleotide  
US-10-750-623-21878

Query Match 77.8%; Score 14; DB 8; Length 598;  
Best Local Similarity 85.7%; Pred. No. 21;  
Matches 12; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 5 UCCUGGAGNNNNN 18  
:|||||  
Db 166 TCCTGGAGNNNNN 153

## RESULT 5

US-10-310-914A-696867  
; Sequence 696867, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 696867  
; LENGTH: 18  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-696867

Query Match 66.7%; Score 12; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
:|||||  
Db 7 GGGGUCCUGGAG 18

## RESULT 6

US-10-310-914A-736744  
; Sequence 736744, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 736744  
; LENGTH: 18  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-736744

Query Match 66.7%; Score 12; DB 8; Length 18;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
:|||||  
Db 3 GGGGUCCUGGAG 14

## RESULT 7

US-10-310-914A-1171689  
; Sequence 1171689, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1171689  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-1171689

Query Match 66.7%; Score 12; DB 8; Length 19;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
:|||||  
Db 3 GGGGUCCUGGAG 14

## RESULT 8

US-10-310-914A-1374455/c  
; Sequence 1374455, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvuzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402

; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1374455  
; LENGTH: 19  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-1374455

Query Match 66.7%; Score 12; DB 8; Length 19;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 18 GGGGTCCTGGAG 7

## RESULT 9

US-10-310-914A-443589/c  
; Sequence 443589, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:

; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuza  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 443589  
; LENGTH: 20  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-443589

Query Match 66.7%; Score 12; DB 8; Length 20;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 19 GGGGTCCTGGAG 8

## RESULT 10

US-10-310-914A-1302631/c  
; Sequence 1302631, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:

; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuza  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1302631  
; LENGTH: 20  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-1302631

Query Match 66.7%; Score 12; DB 8; Length 20;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 12 GGGGTCCTGGAG 1

## RESULT 11

US-10-310-914A-289851  
; Sequence 289851, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:

; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuza  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 289851  
; LENGTH: 21  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-289851

Query Match 66.7%; Score 12; DB 8; Length 21;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 9 GGGGUCCUGGAG 20

## RESULT 12

US-10-310-914A-443582/c  
; Sequence 443582, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:

; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuza  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 443582  
; LENGTH: 21  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-443582

Query Match 66.7%; Score 12; DB 8; Length 21;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 13 GGGGTCCTGGAG 2

## RESULT 13

US-10-310-914A-706745  
; Sequence 706745, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:

; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kvuza  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3



; SEQ ID NO 706745  
; LENGTH: 21  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-706745

Query Match 66.7%; Score 12; DB 8; Length 21;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
DB 8 GGGGUCCUGGAG 19

## RESULT 14

US-10-310-914A-795102  
; Sequence 795102, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvazat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 795102  
; LENGTH: 21  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-795102

Query Match 66.7%; Score 12; DB 8; Length 21;  
Best Local Similarity 100.0%; Pred. No. 3.7e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
DB 2 GGGGUCCUGGAG 13

## RESULT 15

US-10-528-644A-37  
; Sequence 37, Application US/10528644A  
; Publication No. US20050287117A1  
; GENERAL INFORMATION:  
; APPLICANT: SUNG, Young Chul  
; APPLICANT: YOUN, Jin-Won  
; APPLICANT: YANG, Se-Hwan  
; APPLICANT: PARK, Su-Hwan  
; APPLICANT: LEE, Chang Geun  
; TITLE OF INVENTION: A VACCINE ENHANCING THE PROTECTIVE IMMUNITY TO  
; FILE REFERENCE: 428.1049  
; CURRENT APPLICATION NUMBER: US/10/528,644A  
; CURRENT FILING DATE: 2005-03-18  
; PRIOR APPLICATION NUMBER: PCT/KR03/01951  
; PRIOR FILING DATE: 2003-11-19  
; PRIOR APPLICATION NUMBER: KR 2002-0058712  
; PRIOR FILING DATE: 2002-09-27  
; PRIOR APPLICATION NUMBER: KR 2002-68496  
; PRIOR FILING DATE: 2002-11-06  
; NUMBER OF SEQ ID NOS: 54  
; SOFTWARE: KopatentIn 1.71  
; SEQ ID NO 37  
; LENGTH: 22  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: PCR primer for HCV-R

## US-10-528-644A-37

Query Match 66.7%; Score 12; DB 8; Length 22;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
DB 11 GGGGTCTCTGGAG 22

## RESULT 16

US-10-310-914A-214781/c  
; Sequence 214781, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvazat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 214781  
; LENGTH: 22  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-214781

Query Match 66.7%; Score 12; DB 8; Length 22;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|:|  
DB 22 GGGGTCTCTGGAG 11

## RESULT 17

US-10-310-914A-214782/c  
; Sequence 214782, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiller, Kvazat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 214782  
; LENGTH: 22  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-214782

Query Match 66.7%; Score 12; DB 8; Length 22;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:~|:|:|  
DB 13 GGGGTCTCTGGAG 2

## RESULT 18

US-10-310-914A-214796/c  
; Sequence 214796, Application US/10310914A  
; Publication No. US20060003322A1

```
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 214796
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-214796

Query Match      66.7%; Score 12; DB 8; Length 22;
Best Local Similarity 83.3%; Pred. No. 3.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db      14 GGGGTCCTGGAG 3

RESULT 19
US-10-310-914A-289852
; Sequence 289852, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 289852
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-289852

Query Match      66.7%; Score 12; DB 8; Length 22;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db      9 GGGGUCCUGGAG 20

RESULT 20
US-10-310-914A-289943
; Sequence 289943, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 289943
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-289943
```

```
Query Match      66.7%; Score 12; DB 8; Length 22;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db      11 GGGGUCCUGGAG 22

RESULT 21
US-10-310-914A-385850
; Sequence 385850, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 385850
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-385850

Query Match      66.7%; Score 12; DB 8; Length 22;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db      5 GGGGUCCUGGAG 16

RESULT 22
US-10-310-914A-443575/c
; Sequence 443575, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 443575
; LENGTH: 22
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-443575

Query Match      66.7%; Score 12; DB 8; Length 22;
Best Local Similarity 83.3%; Pred. No. 3.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||:||||
Db      16 GGGGTCCTGGAG 5

RESULT 23
US-10-310-914A-289853
; Sequence 289853, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
```

```
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 289853
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-289853

Query Match      66.7%; Score 12; DB 8; Length 23;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:|||||
Db 9 GGGGUCCUGGAG 20

RESULT 24
US-10-310-914A-443585/c
; Sequence 443585, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 443585
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-443585

Query Match      66.7%; Score 12; DB 8; Length 23;
Best Local Similarity 83.3%; Pred. No. 3.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:|||||
Db 12 GGGGTCTGGAG 1

RESULT 25
US-10-310-914A-1039070/c
; Sequence 1039070, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; TITLE OF INVENTION: uses thereof
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1039070
; LENGTH: 23
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-1039070
```

```
Query Match      66.7%; Score 12; DB 8; Length 23;
Best Local Similarity 83.3%; Pred. No. 3.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
   |||||:|||||
Db 13 GGGGTCTGGAG 2

RESULT 26
US-11-193-526-111
; Sequence 111, Application US/11193526
; Publication No. US20060024721A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN-1A
; CURRENT APPLICATION NUMBER: US/11/193,526
; CURRENT FILING DATE: 2005-08-01
; PRIOR APPLICATION NUMBER: US/10/053,883
; PRIOR FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 111
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
; NAME/KEY: misc feature
; LOCATION: (7)-(23)
; OTHER INFORMATION: n is a, c, g or t
US-11-193-526-111

Query Match      66.7%; Score 12; DB 12; Length 23;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNNN 18
   |:|||||:|||||
Db 1 CTGGAGNNNNNN 12

RESULT 27
US-11-193-526-112/c
; Sequence 112, Application US/11193526
; Publication No. US20060024721A1
; GENERAL INFORMATION:
; APPLICANT: PEDERSEN, Morten Lorentz
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION
; FILE REFERENCE: PEDERSEN-1A
; CURRENT APPLICATION NUMBER: US/11/193,526
; CURRENT FILING DATE: 2005-08-01
; PRIOR APPLICATION NUMBER: US/10/053,883
; PRIOR FILING DATE: 2002-01-02
; PRIOR APPLICATION NUMBER: PA 2001 00126
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/267,704
; PRIOR FILING DATE: 2001-02-12
; NUMBER OF SEQ ID NOS: 148
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 112
; LENGTH: 23
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic
```

```

; NAME/KEY: misc_feature
; LOCATION: (1)..(17)
; OTHER INFORMATION: n is a, c, g or t
US-11-193-526-112

Query Match      66.7%; Score 12; DB 12; Length 23;
Best Local Similarity 91.7%; Pred. No. 3.7e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNN 18
        |:|||||
Db      23 CTGGAGNNNNN 12

RESULT 28
US-10-310-914A-736761
; Sequence 736761, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 736761
; LENGTH: 24
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-736761

Query Match      66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||
Db      7 GGGGUCCUGGAG 18

RESULT 29
US-10-310-914A-1221898/c
; Sequence 1221898, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1221898
; LENGTH: 24
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-1221898

Query Match      66.7%; Score 12; DB 8; Length 24;
Best Local Similarity 83.3%; Pred. No. 3.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||
Db      13 GGGGTCCTGGAG 2

RESULT 30
```

```

US-10-310-914A-736825
; Sequence 736825, Application US/10310914A
; Publication No. US20060003322A1
; GENERAL INFORMATION:
; APPLICANT: Bentwich, Isaac
; APPLICANT: Shiler, Kvuzat
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and
; FILE REFERENCE: 06087.0200.CPUS01
; CURRENT APPLICATION NUMBER: US/10/310,914A
; CURRENT FILING DATE: 2002-12-06
; NUMBER OF SEQ ID NOS: 1388402
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 736825
; LENGTH: 25
; TYPE: RNA
; ORGANISM: Human
US-10-310-914A-736825

Query Match      66.7%; Score 12; DB 8; Length 25;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||
Db      12 GGGGUCCUGGAG 23

RESULT 31
US-11-121-849-20459
; Sequence 20459, Application US/11121849
; Publication No. US20050272080A1
; GENERAL INFORMATION:
; APPLICANT: John Palma
; TITLE OF INVENTION: Methods of Genetic Analysis of Formalin Fixed Paraffin Embedded S
; FILE REFERENCE: 3684.1
; CURRENT APPLICATION NUMBER: US/11/121,849
; CURRENT FILING DATE: 2005-05-03
; PRIOR APPLICATION NUMBER: 60/567,949
; PRIOR FILING DATE: 2004-05-03
; NUMBER OF SEQ ID NOS: 673904
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 20459
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-11-121-849-20459

Query Match      66.7%; Score 12; DB 12; Length 25;
Best Local Similarity 83.3%; Pred. No. 3.7e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
        |||||
Db      13 GGGGTCCTGGAG 24

RESULT 32
US-11-136-527-232252
; Sequence 232252, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
```

; SEQ ID NO 232252  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-232252

Query Match 66.7%; Score 12; DB 12; Length 25;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 8 GGGGTCTGGAG 19  
|||||:|:|:|

## RESULT 33

US-11-136-527-232255  
; Sequence 232255, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 232255  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-232255

Query Match 66.7%; Score 12; DB 12; Length 25;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 9 GGGGTCTGGAG 20  
|||||:|:|:|

## RESULT 34

US-11-136-527-238961  
; Sequence 238961, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 238961  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-238961

Query Match 66.7%; Score 12; DB 12; Length 25;

Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 9 GGGGTCTGGAG 20  
|||||:|:|:|

## RESULT 35

US-11-136-527-238964  
; Sequence 238964, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 238964  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Probe  
US-11-136-527-238964

Query Match 66.7%; Score 12; DB 12; Length 25;  
Best Local Similarity 83.3%; Pred. No. 3.7e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 14 GGGGTCTGGAG 25  
|||||:|:|:|

## RESULT 36

US-11-193-526-12  
; Sequence 12, Application US/11193526  
; Publication No. US20060024721A1  
; GENERAL INFORMATION:  
; APPLICANT: PEDERSEN, Morten Lorentz  
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION  
; FILE REFERENCE: PEDERSEN-1A  
; CURRENT APPLICATION NUMBER: US/11/193,526  
; CURRENT FILING DATE: 2005-08-01  
; PRIOR APPLICATION NUMBER: US/10/053,883  
; PRIOR FILING DATE: 2002-01-02  
; PRIOR APPLICATION NUMBER: PA 2001 00126  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: US 60/267,704  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 148  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
; NAME/KEY: misc feature  
; LOCATION: (11)..(27)  
; OTHER INFORMATION: n is a, c, g or t  
US-11-193-526-12

Query Match 66.7%; Score 12; DB 12; Length 27;  
Best Local Similarity 91.7%; Pred. No. 3.7e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18  
|:|||||  
Db 5 CTGGAGNNNNN 16

RESULT 37  
US-11-193-526-13/c  
; Sequence 13, Application US/11193526  
; Publication No. US20060024721A1  
; GENERAL INFORMATION:  
; APPLICANT: PEDERSEN, Morten Lorentz  
; TITLE OF INVENTION: ASSAY AND KIT FOR ANALYZING GENE EXPRESSION  
; FILE REFERENCE: PEDERSEN-A  
; CURRENT APPLICATION NUMBER: US/11/193,526  
; CURRENT FILING DATE: 2005-08-01  
; PRIOR APPLICATION NUMBER: US/10/053,883  
; PRIOR FILING DATE: 2002-01-02  
; PRIOR APPLICATION NUMBER: PA 2001 00126  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: US 60/267,704  
; PRIOR FILING DATE: 2001-02-12  
; NUMBER OF SEQ ID NOS: 148  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 13  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: synthetic  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(17)  
; OTHER INFORMATION: n is a, c, g or t  
US-11-193-526-13

Query Match 66.7%; Score 12; DB 12; Length 27;  
Best Local Similarity 91.7%; Pred. No. 3.7e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18  
|:|||||  
Db 23 CTGGAGNNNNN 12

RESULT 38  
US-10-517-544-12  
; Sequence 12, Application US/10517544  
; Publication No. US20050250100A1  
; GENERAL INFORMATION:  
; APPLICANT: RIKEN  
; APPLICANT: KABUSHIKI KAISHA DNAFORM  
; TITLE OF INVENTION: Method for utilizing the 5'end of mRNA for cloning and analysis  
; FILE REFERENCE: 1336(PCT)  
; CURRENT APPLICATION NUMBER: US/10/517,544  
; CURRENT FILING DATE: 2004-12-10  
; PRIOR APPLICATION NUMBER: JP 2002-171851  
; PRIOR FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: JP 2002-235294  
; PRIOR FILING DATE: 2002-08-12  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 12  
; LENGTH: 45  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide Bg-Gsu-N6  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (40)..(45)  
; OTHER INFORMATION: "n" is any nucleotide  
US-10-517-544-12

Query Match 66.7%; Score 12; DB 8; Length 45;  
Best Local Similarity 91.7%; Pred. No. 3.6e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNNN 18  
|:|||||  
Db 34 CTGGAGNNNNN 45

RESULT 39  
US-10-310-914A-14589/c  
; Sequence 14589, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kruzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; TITLE OF INVENTION: uses thereof  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 14589  
; LENGTH: 62  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-14589

Query Match 66.7%; Score 12; DB 8; Length 62;  
Best Local Similarity 83.3%; Pred. No. 3.6e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|:|||||  
Db 33 GGGGTCCTGGAG 22

RESULT 40  
US-10-310-914A-16093  
; Sequence 16093, Application US/10310914A  
; Publication No. US20060003322A1  
; GENERAL INFORMATION:  
; APPLICANT: Bentwich, Isaac  
; APPLICANT: Shiler, Kruzat  
; TITLE OF INVENTION: Bioinformatically detectable group of novel regulatory genes and  
; TITLE OF INVENTION: uses thereof  
; FILE REFERENCE: 06087.0200.CPUS01  
; CURRENT APPLICATION NUMBER: US/10/310,914A  
; CURRENT FILING DATE: 2002-12-06  
; NUMBER OF SEQ ID NOS: 1388402  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 16093  
; LENGTH: 86  
; TYPE: RNA  
; ORGANISM: Human  
US-10-310-914A-16093

Query Match 66.7%; Score 12; DB 8; Length 86;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|:|||||  
Db 61 GGGGUCCUGGAG 72

RESULT 41  
US-10-995-561-12153  
; Sequence 12153, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12153  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12153

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 105 GGGTCCTGGAG 116

## RESULT 42

US-10-995-561-12154  
; Sequence 12154, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12154  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12154

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 131 GGGTCCTGGAG 142

## RESULT 43

US-10-995-561-12178  
; Sequence 12178, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12178  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12178

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 107 GGGTCCTGGAG 118

## RESULT 44

US-10-995-561-12205  
; Sequence 12205, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12205  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12205

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 105 GGGTCCTGGAG 116

## RESULT 45

US-10-995-561-12206  
; Sequence 12206, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF

; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12206  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12206

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||:|:~|:|  
Db 131 GGGTCCTGGAG 142

## RESULT 46

US-10-995-561-12230  
; Sequence 12230, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12230  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12230

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 107 GGGGTCTGGAG 118

## RESULT 47

US-10-995-561-12258  
; Sequence 12258, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12258  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12258

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 105 GGGGTCTGGAG 116

## RESULT 48

US-10-995-561-12259  
; Sequence 12259, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12259  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12259

Query Match 66.7%; Score 12; DB 8; Length 201;

Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 131 GGGGTCTGGAG 142

## RESULT 49

US-10-995-561-12283  
; Sequence 12283, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12283  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12283

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 107 GGGGTCTGGAG 118

## RESULT 50

US-10-995-561-12311  
; Sequence 12311, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12311  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-12311

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 105 GGGGTCTGGAG 116

## RESULT 51

US-10-995-561-12312  
; Sequence 12312, Application US/10995561  
; Publication No. US20050272054A1  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH



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; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12312
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12312

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      131 GGGGTCTGGAG 142

RESULT 52
US-10-995-561-12336
; Sequence 12336, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12336
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-12336

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      107 GGGGTCTGGAG 118

RESULT 53
US-10-995-561-29327
; Sequence 29327, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29327
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-29327

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      107 GGGGTCTGGAG 118

RESULT 54
US-10-995-561-39072
; Sequence 39072, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39072
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-39072

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      40 GGGGTCTGGAG 51

RESULT 55
US-10-995-561-51166
; Sequence 51166, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51166
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-51166

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      40 GGGGTCTGGAG 51

RESULT 56
US-10-995-561-51223
; Sequence 51223, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
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Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      40 GGGGTCTGGAG 51

RESULT 54
US-10-995-561-39072
; Sequence 39072, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 39072
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-39072

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      40 GGGGTCTGGAG 51

RESULT 55
US-10-995-561-51166
; Sequence 51166, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51166
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-51166

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:|:|:|
Db      138 GGGGTCTGGAG 149

RESULT 56
US-10-995-561-51223
; Sequence 51223, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
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; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51223
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-51223

Query Match 66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 6 GGGGTCTCGGAG 17

RESULT 57
US-10-995-561-58472
; Sequence 58472, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58472
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-58472

Query Match 66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 6 GGGGTCTCGGAG 17

RESULT 58
US-10-995-561-58572
; Sequence 58572, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58572
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-58572

Query Match 66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 131 GGGGTCTCGGAG 142

RESULT 59
US-10-995-561-58575
; Sequence 58575, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58575
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-58575

Query Match 66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 173 GGGGTCTCGGAG 184

RESULT 60
US-10-995-561-58577
; Sequence 58577, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58577
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-58577

Query Match 66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 176 GGGGTCTCGGAG 187

RESULT 61
US-10-995-561-58578
; Sequence 58578, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58578
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-58578

Query Match 66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

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; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 58578
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-58578

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 184 GGGGTCTCGAG 195

RESULT 62
US-10-995-561-59427
; Sequence 59427, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59427
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-59427

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 103 GGGGTCTCGAG 114

RESULT 63
US-10-995-561-59793
; Sequence 59793, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59793
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-59793

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 103 GGGGTCTCGAG 114

RESULT 64
US-10-995-561-62238
; Sequence 62238, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62238
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-62238

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 105 GGGGTCTCGAG 116

RESULT 65
US-10-995-561-62239
; Sequence 62239, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62239
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-62239

Query Match      66.7%; Score 12; DB 8; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 131 GGGGTCTCGAG 142

RESULT 66
US-10-995-561-62356
; Sequence 62356, Application US/10995561
; Publication No. US20050272054A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
```

; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 62356  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-62356

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 107 GGGGTCCTGGAG 118

RESULT 67  
US-10-995-561-81221  
; Sequence 81221, Application US/10995561  
; Publication No. US200502720541  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele et al.  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
; TITLE OF INVENTION: DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001559  
; CURRENT APPLICATION NUMBER: US/10/995,561  
; CURRENT FILING DATE: 2004-11-24  
; NUMBER OF SEQ ID NOS: 85702  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 81221  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-995-561-81221

Query Match 66.7%; Score 12; DB 8; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 11 GGGGTCCTGGAG 22

RESULT 68  
US-11-124-368A-12090  
; Sequence 12090, Application US/11124368A  
; Publication No. US200502875591  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: James J. Devlin  
; APPLICANT: May Luke  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Vascular Diseases, Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001524  
; CURRENT APPLICATION NUMBER: US/11/124,368A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,845  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/625,936  
; PRIOR FILING DATE: 2004-11-09  
; NUMBER OF SEQ ID NOS: 21112  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 12090  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-368A-12090

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 58 GGGGTCCTGGAG 69

RESULT 69  
US-11-124-367A-3692/c  
; Sequence 3692, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3692  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-3692

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 188 GGGGTCCTGGAG 177

RESULT 70  
US-11-124-367A-3721/c  
; Sequence 3721, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3721  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-3721

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 86 GGGGTCTGGAG 75

RESULT 71  
US-11-124-367A-3762/c  
; Sequence 3762, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3762  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-3762

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 188 GGGGTCTGGAG 177

RESULT 72  
US-11-124-367A-3791/c  
; Sequence 3791, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3791  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-3791

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|:|:|

Db 86 GGGGTCTGGAG 75

RESULT 73  
US-11-124-367A-3832/c  
; Sequence 3832, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3832  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-3832

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 188 GGGGTCTGGAG 177

RESULT 74  
US-11-124-367A-3861/c  
; Sequence 3861, Application US/11124367A  
; Publication No. US20060024700A1  
; GENERAL INFORMATION:  
; APPLICANT: Michele Cargill  
; APPLICANT: Hongjin Huang  
; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
; FILE REFERENCE: CL001519.ORD  
; CURRENT APPLICATION NUMBER: US/11/124,367A  
; CURRENT FILING DATE: 2005-05-09  
; PRIOR APPLICATION NUMBER: US 60/568,846  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: US 60/582,609  
; PRIOR FILING DATE: 2004-06-25  
; PRIOR APPLICATION NUMBER: US 60/599,554  
; PRIOR FILING DATE: 2004-08-09  
; NUMBER OF SEQ ID NOS: 34460  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3861  
; LENGTH: 201  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-124-367A-3861

Query Match 66.7%; Score 12; DB 12; Length 201;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|:|:|  
Db 86 GGGGTCTGGAG 75

```
RESULT 75
US-11-124-367A-3902/c
; Sequence 3902, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3902
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-3902

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||||:|||||
Db 188 GGGGTCTGGAG 177

RESULT 76
US-11-124-367A-3931/c
; Sequence 3931, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3931
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-3931

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||||:|||||
Db 86 GGGGTCTGGAG 75

RESULT 77
US-11-124-367A-3972/c
; Sequence 3972, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3972
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-3972

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||||:|||||
Db 86 GGGGTCTGGAG 75

RESULT 78
US-11-124-367A-4001/c
; Sequence 4001, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4001
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-4001

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||||:|||||
Db 86 GGGGTCTGGAG 75

RESULT 79
US-11-124-367A-22788/c
; Sequence 22788, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; PRIOR FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4001
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-22788/c

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
|||||:|||||
Db 86 GGGGTCTGGAG 75
```

```
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22788
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-22788

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 188 GGGGTCCTGGAG 177

RESULT 80
US-11-124-367A-22789/c
; Sequence 22789, Application US/11124367A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Hongjin Huang
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT APPLICATION NUMBER: US/11/124,367A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,846
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/582,609
; PRIOR FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: US 60/599,554
; PRIOR FILING DATE: 2004-08-09
; NUMBER OF SEQ ID NOS: 34460
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22789
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-124-367A-22789

Query Match 66.7%; Score 12; DB 12; Length 201;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 86 GGGGTCCTGGAG 75

RESULT 81
US-11-198-746-121/c
; Sequence 121, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
```

```
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 121:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-121

Query Match 66.7%; Score 12; DB 9; Length 281;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 66 GGGGTCCTGGAG 55

RESULT 82
US-11-198-746-126/c
; Sequence 126, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
```

```
;
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 126:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-126

Query Match 66.7%; Score 12; DB 9; Length 281;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 66 GGGGTCTCGGAG 55

RESULT 83
US-11-198-746-127
; Sequence 127, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 127:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-127

Query Match 66.7%; Score 12; DB 9; Length 281;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 66 GGGGTCTCGGAG 55

RESULT 84
US-11-198-746-128
; Sequence 128, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-128

Query Match 66.7%; Score 12; DB 9; Length 281;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 216 GGGGTCTCGGAG 227

RESULT 85
US-11-198-746-132
; Sequence 132, Application US/11198746
; Publication No. US20060035256A1
```

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;
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-127

Query Match 66.7%; Score 12; DB 9; Length 281;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 216 GGGGTCTCGGAG 227

RESULT 84
US-11-198-746-128
; Sequence 128, Application US/11198746
; Publication No. US20060035256A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; APPLICANT: OLIVE, DAVID M.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,746
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 128:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-11-198-746-128

Query Match 66.7%; Score 12; DB 9; Length 281;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
Db 216 GGGGTCTCGGAG 227

RESULT 85
US-11-198-746-132
; Sequence 132, Application US/11198746
; Publication No. US20060035256A1
```



GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
TITLE OF INVENTION: PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,746  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 132:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-746-132

Query Match 66.7%; Score 12; DB 9; Length 281;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 216 GGGGTCCTGGAG 227  
|||||:|:|:|

RESULT 86  
US-11-198-794-121/c  
Sequence 121 Application US/11198794  
Publication No. US20060035257A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
TITLE OF INVENTION: PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 121:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-794-121

Query Match 66.7%; Score 12; DB 9; Length 281;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 66 GGGGTCCTGGAG 55  
|||||:|:|:|

RESULT 87  
US-11-198-794-126/c  
Sequence 126 Application US/11198794  
Publication No. US20060035257A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
TITLE OF INVENTION: PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

; INFORMATION FOR SEQ ID NO: 126:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-794-126

Query Match 66.7%; Score 12; DB 9; Length 281;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 66 GGGGTCTGGAG 55

## RESULT 88

US-11-198-794-127  
; Sequence 127, Application US/11198794  
; Publication No. US20060035257A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198.794  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 127:

; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-794-127

Query Match 66.7%; Score 12; DB 9; Length 281;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 216 GGGGTCTGGAG 227

## RESULT 89

US-11-198-794-128  
; Sequence 128, Application US/11198794  
; Publication No. US20060035257A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198.794  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 128:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 281 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-794-128

Query Match 66.7%; Score 12; DB 9; Length 281;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:||||  
Db 216 GGGGTCTGGAG 227

## RESULT 90

US-11-198-794-132  
; Sequence 132, Application US/11198794  
; Publication No. US20060035257A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; APPLICANT: OLIVE, DAVID M.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA

COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 132:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-794-132

Query Match 66.7%; Score 12; DB 9; Length 281;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 216 GGGGTCTCGGAG 227

RESULT 91  
US-11-198-746-124/c  
; Sequence 124, Application US/11/198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,746  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 130:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 282 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-746-130

Query Match 66.7%; Score 12; DB 9; Length 282;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 124:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-746-124

Query Match 66.7%; Score 12; DB 9; Length 282;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 66 GGGGTCTCGGAG 55

RESULT 92  
US-11-198-746-130  
; Sequence 130, Application US/11/198746  
; Publication No. US20060035256A1  
; GENERAL INFORMATION:  
; APPLICANT: BROW, MARY ANN D.  
; APPLICANT: LYAMICHEV, VICTOR I.  
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
; NUMBER OF SEQUENCES: 165  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MEDLEN & CARROLL  
; STREET: 220 MONTGOMERY STREET, SUITE 2200  
; CITY: SAN FRANCISCO  
; STATE: CALIFORNIA  
; COUNTRY: UNITED STATES OF AMERICA  
; ZIP: 94104  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/11/198,746  
; FILING DATE: 05-Aug-2005  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/941,193  
; FILING DATE: 28-Aug-2001  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: CARROLL, PETER G.  
; REGISTRATION NUMBER: 32,837  
; REFERENCE/DOCKET NUMBER: FORS-01756  
; TELEPHONE: (415) 705-8410  
; TELEFAX: (415) 397-8338  
; INFORMATION FOR SEQ ID NO: 130:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 282 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
US-11-198-746-130

Query Match 66.7%; Score 12; DB 9; Length 282;  
Best Local Similarity 83.3%; Pred. No. 3.5e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```
Qy 1 GGGGUCCUGGAG 12
||||:||||
Db 217 GGGGTCCTGGAG 228

RESULT 93
US-11-198-794-124/c
; Sequence 124, Application US/11198794
; Publication No. US20060035257A1
; GENERAL INFORMATION:
; APPLICANT: BROW, MARY ANN D.
; APPLICANT: LYAMICHEV, VICTOR I.
; TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF
; TITLE OF INVENTION: PATHOGENS
; NUMBER OF SEQUENCES: 165
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MEDLEN & CARROLL
; STREET: 220 MONTGOMERY STREET, SUITE 2200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/11/198,794
; FILING DATE: 05-Aug-2005
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/941,193
; FILING DATE: 28-Aug-2001
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: CARROLL, PETER G.
; REGISTRATION NUMBER: 32,837
; REFERENCE/DOCKET NUMBER: FORS-01756
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 130:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 282 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-11-198-794-130

Query Match 66.7%; Score 12; DB 9; Length 282;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
||||:||||
Db 217 GGGGTCCTGGAG 228

RESULT 95
US-09-925-065A-168002
; Sequence 168002, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 168002
; LENGTH: 290
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-925-065A-168002
```

Query Match 66.7%; Score 12; DB 6; Length 290;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 251 GGGGTCTGGAG 262

## RESULT 96

US-10-538-471-1/c  
; Sequence 1, Application US/10538471  
; Publication No. US20060035212A1  
; GENERAL INFORMATION:  
; APPLICANT: Balakireva, Larissa  
; TITLE OF INVENTION: MOLECULES INHIBITING HEPATITIS C VIRUS PROTEIN SYNTHESIS AND METH  
; FILE REFERENCE: 1759,200  
; CURRENT APPLICATION NUMBER: US/10/538,471  
; PRIOR FILING DATE: 2003-06-03  
; PRIOR APPLICATION NUMBER: PCT/FR03/03675  
; PRIOR FILING DATE: 2003-12-11  
; PRIOR APPLICATION NUMBER: FR0215718  
; PRIOR FILING DATE: 2002-12-12  
; NUMBER OF SEQ ID NOS: 16  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 326  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; NAME/KEY: HCV  
; LOCATION: 40..372  
; OTHER INFORMATION: corresponds to IRES sequence of HCV  
US-10-538-471-1

Query Match 66.7%; Score 12; DB 7; Length 326;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 84 GGGGTCTGGAG 73

## RESULT 97

US-11-166-234-3/c  
; Sequence 3, Application US/11166234  
; Publication No. US20060029582A1  
; GENERAL INFORMATION:  
; APPLICANT: Yu, De-Chao  
; APPLICANT: Chen, Yu  
; TITLE OF INVENTION: METHODS OF TREATING NEOPLASIA  
; TITLE OF INVENTION: WITH COMBINATION TARGET CELL-SPECIFIC ADENOVIRUS,  
; TITLE OF INVENTION: CHEMOTHERAPY AND RADIATION  
; FILE REFERENCE: 348022001600  
; CURRENT APPLICATION NUMBER: US/11/166,234  
; PRIOR FILING DATE: 2005-06-27  
; PRIOR APPLICATION NUMBER: US/09/814,357  
; PRIOR FILING DATE: 2001-10-15  
; PRIOR APPLICATION NUMBER: 60/192,015  
; PRIOR FILING DATE: 2000-03-24  
; NUMBER OF SEQ ID NOS: 35  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 341  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: 5' UTR region of HCV  
US-11-166-234-3

Query Match 66.7%; Score 12; DB 9; Length 341;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 123 GGGGTCTGGAG 112

## RESULT 98

US-11-136-527-967/c  
; Sequence 967, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 967  
; LENGTH: 354  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
US-11-136-527-967

Query Match 66.7%; Score 12; DB 12; Length 354;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 158 GGGGTCTGGAG 147

## RESULT 99

US-11-136-527-5063  
; Sequence 5063, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; APPLICANT: Mounts, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5063  
; LENGTH: 354  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
US-11-136-527-5063

Query Match 66.7%; Score 12; DB 12; Length 354;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 197 GGGGTCTGGAG 208

## RESULT 100

US-09-925-065A-528039/c  
; Sequence 528039, Application US/09925065A

Publication No. US20040181048A1  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single  
TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
FILE REFERENCE: 108827.135  
CURRENT APPLICATION NUMBER: US/09/925,065A  
PRIORITY FILING DATE: 2001-08-08  
PRIOR APPLICATION NUMBER: US 60/243,096  
PRIOR FILING DATE: 2000-10-24  
PRIOR APPLICATION NUMBER: US 60/252,147  
PRIOR FILING DATE: 2000-11-20  
PRIOR APPLICATION NUMBER: US 60/250,092  
PRIOR FILING DATE: 2000-11-30  
PRIOR APPLICATION NUMBER: US 60/261,766  
PRIOR FILING DATE: 2001-01-16  
PRIOR APPLICATION NUMBER: US 60/289,846  
PRIOR FILING DATE: 2001-05-09  
NUMBER OF SEQ ID NOS: 957086  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 528039  
LENGTH: 365  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-925-065A-528039

Query Match 66.7%; Score 12; DB 6; Length 365;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 239 GGGGTCTGGAG 238

RESULT 101  
US-11-198-746-122/c  
Sequence 122, Application US/11198746  
Publication No. US20060035256A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
TITLE OF INVENTION: PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,746  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338

INFORMATION FOR SEQ ID NO: 122:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-746-122

Query Match 66.7%; Score 12; DB 9; Length 386;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 171 GGGGTCTGGAG 160

RESULT 102  
US-11-198-794-122/c  
Sequence 122, Application US/11198794  
Publication No. US20060035257A1  
GENERAL INFORMATION:  
APPLICANT: BROW, MARY ANN D.  
APPLICANT: LYAMICHEV, VICTOR I.  
APPLICANT: OLIVE, DAVID M.  
TITLE OF INVENTION: RAPID DETECTION AND IDENTIFICATION OF  
TITLE OF INVENTION: PATHOGENS  
NUMBER OF SEQUENCES: 165  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MEDLEN & CARROLL  
STREET: 220 MONTGOMERY STREET, SUITE 2200  
CITY: SAN FRANCISCO  
STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94104  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/11/198,794  
FILING DATE: 05-Aug-2005  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/941,193  
FILING DATE: 28-Aug-2001  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: CARROLL, PETER G.  
REGISTRATION NUMBER: 32,837  
REFERENCE/DOCKET NUMBER: FORS-01756  
TELEPHONE: (415) 705-8410  
TELEFAX: (415) 397-8338  
INFORMATION FOR SEQ ID NO: 122:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-11-198-794-122

Query Match 66.7%; Score 12; DB 9; Length 386;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||:|:|:|  
Db 171 GGGGTCTGGAG 160

RESULT 103  
US-10-623-155-264/c  
; Sequence 264, Application US/10623155  
; Publication No. US20050261166A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Peckham, David W.  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Fanger, Gary R.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER  
; FILE REFERENCE: 210121.455C20  
; CURRENT APPLICATION NUMBER: US/10/623,155  
; CURRENT FILING DATE: 2003-07-17  
; NUMBER OF SEQ ID NOS: 560  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 264  
; LENGTH: 401  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-623-155-264

Query Match 66.7%; Score 12; DB 8; Length 401;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 23 GGGGTCTCGAG 12

RESULT 104  
US-09-925-065A-785088/c  
; Sequence 785088, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 785088  
; LENGTH: 423  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-785088

Query Match 66.7%; Score 12; DB 6; Length 423;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 365 GGGGTCTCGAG 354

RESULT 105  
US-09-925-065A-844774/c  
; Sequence 844774, Application US/09925065A

; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 844774  
; LENGTH: 423  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-844774

Query Match 66.7%; Score 12; DB 6; Length 423;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||  
DB 365 GGGGTCTCGAG 354

RESULT 106  
US-09-925-065A-328831/c  
; Sequence 328831, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 328831  
; LENGTH: 434  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(434)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-925-065A-328831

Query Match 66.7%; Score 12; DB 6; Length 434;  
Best Local Similarity 91.7%; Pred. No. 3.4e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18

```
Db          46 CTGGAGNNNNN 35
|:|||||
1 GGGGUCCUGGAG 12
|:|:|:|:|:|
139 GGGGTCCTGGAG 128

RESULT 107
US-09-925-065A-404880/c
; Sequence 404880, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 404880
; LENGTH: 439
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-404880

Query Match          66.7%; Score 12; DB 6; Length 439;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|:|:|:|:|:|
107 GGGGTCCTGGAG 96

Db          107 GGGGTCCTGGAG 96

RESULT 108
US-09-925-065A-278363/c
; Sequence 278363, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 278363
; LENGTH: 441
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-278363

Query Match          66.7%; Score 12; DB 6; Length 441;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|:|:|:|:|:|
388 GGGGTCCTGGAG 399

Db          388 GGGGTCCTGGAG 399

RESULT 110
US-10-750-185-36779/c
; Sequence 36779, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64522
; SOFTWARE: PatentIN version 3.1
; SEQ ID NO 36779
; LENGTH: 457
; TYPE: DNA
; ORGANISM: Bovine
US-10-750-185-36779

Query Match          66.7%; Score 12; DB 8; Length 457;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
|:|:|:|:|:|
388 GGGGTCCTGGAG 399

Db          388 GGGGTCCTGGAG 399
```



Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||

Db 356 GGGGTCCTGGAG 345

RESULT 111  
US-10-750-623-36779/c  
; Sequence 36779, Application US/10750623  
; Publication No. US20050287531A1  
; GENERAL INFORMATION:  
; APPLICANT: MMI GENOMICS, INC.  
; APPLICANT: DENISE, Sue K.  
; APPLICANT: KERR, Richard  
; APPLICANT: ROSENFELD, David  
; APPLICANT: HOLM, Tom  
; APPLICANT: BATES, Stephen  
; APPLICANT: FANTIN, Dennis  
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
; FILE REFERENCE: MM1100-1  
; CURRENT APPLICATION NUMBER: US/10/750,623  
; CURRENT FILING DATE: 2003-12-31  
; PRIOR APPLICATION NUMBER: US 60/437,482  
; PRIOR FILING DATE: 2002-12-31  
; NUMBER OF SEQ ID NOS: 64922  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 36779  
; LENGTH: 457  
; TYPE: DNA  
; ORGANISM: Bovine 19866881305727  
US-10-750-623-36779

Query Match 66.7%; Score 12; DB 8; Length 457;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||

Db 356 GGGGTCCTGGAG 345

RESULT 112  
US-09-925-065A-115346  
; Sequence 115346, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 115346  
; LENGTH: 458  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-115346

Query Match 66.7%; Score 12; DB 6; Length 458;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||

Db 357 GGGGTCCTGGAG 368

RESULT 113  
US-09-925-065A-115347  
; Sequence 115347, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 115347  
; LENGTH: 458  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-115347

Query Match 66.7%; Score 12; DB 6; Length 458;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
||||:|||||

Db 357 GGGGTCCTGGAG 368

RESULT 114  
US-09-925-065A-301837/c  
; Sequence 301837, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 301837  
; LENGTH: 485  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-301837

Query Match 66.7%; Score 12; DB 6; Length 485;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:||||  
Db 412 GGGGTCTGGAG 401

## RESULT 115

US-09-925-065A-301838/c  
; Sequence 301838, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 301838  
; LENGTH: 485  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-301838

Query Match 66.7%; Score 12; DB 6; Length 485;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:||||  
Db 412 GGGGTCTGGAG 401

## RESULT 116

US-09-925-065A-541482/c  
; Sequence 541482, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 541482  
; LENGTH: 498

TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-541482

Query Match 66.7%; Score 12; DB 6; Length 498;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:||||  
Db 23 GGGGTCTGGAG 12

## RESULT 117

US-09-925-065A-830071  
; Sequence 830071, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 830071  
; LENGTH: 501  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-830071

Query Match 66.7%; Score 12; DB 6; Length 501;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|:||||  
Db 62 GGGGTCTGGAG 73

## RESULT 118

US-09-925-065A-270671  
; Sequence 270671, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270671
; LENGTH: 503
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-270671

Query Match          66.7%; Score 12; DB 6; Length 503;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:|||||
Db 254 GGGGTCTTGAG 265

RESULT 119
US-09-925-065A-270672
; Sequence 270672, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270672
; LENGTH: 503
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-270672

Query Match          66.7%; Score 12; DB 6; Length 503;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:|||||
Db 254 GGGGTCTTGAG 265

RESULT 120
US-09-925-065A-270673
; Sequence 270673, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
```

```
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270673
; LENGTH: 503
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-270673

Query Match          66.7%; Score 12; DB 6; Length 503;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:|||||
Db 254 GGGGTCTTGAG 265

RESULT 121
US-09-925-065A-270674
; Sequence 270674, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 270674
; LENGTH: 503
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-270674

Query Match          66.7%; Score 12; DB 6; Length 503;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
    ||||:|||||
Db 254 GGGGTCTTGAG 265

RESULT 122
US-09-925-065A-530462
; Sequence 530462, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
```

; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 530462  
; LENGTH: 509  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-530462

Query Match 66.7%; Score 12; DB 6; Length 509;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 52 GGGGTCTGGAG 63

## RESULT 123

US-09-925-065A-842326/c  
; Sequence 842326, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 842326  
; LENGTH: 513  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-842326

Query Match 66.7%; Score 12; DB 6; Length 513;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 295 GGGGTCTGGAG 284

## RESULT 124

US-09-925-065A-45783/c  
; Sequence 45783, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24

; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 45783  
; LENGTH: 518  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-45783

Query Match 66.7%; Score 12; DB 6; Length 518;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 141 GGGGTCTGGAG 130

## RESULT 125

US-09-925-065A-45784/c  
; Sequence 45784, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 45784  
; LENGTH: 518  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-45784

Query Match 66.7%; Score 12; DB 6; Length 518;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 141 GGGGTCTGGAG 130

## RESULT 126

US-09-925-065A-119173  
; Sequence 119173, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A

; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 119173  
; LENGTH: 522  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-119173

Query Match 66.7%; Score 12; DB 6; Length 522;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 297 GGGGTCTTGGAG 308

## RESULT 127

US-09-925-065A-481696/c  
; Sequence 481696, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 481696  
; LENGTH: 525  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-481696

Query Match 66.7%; Score 12; DB 6; Length 525;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 189 GGGGTCTTGGAG 178

## RESULT 128

US-09-925-065A-310603  
; Sequence 310603, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single

; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 310603  
; LENGTH: 529  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-310603

Query Match 66.7%; Score 12; DB 6; Length 529;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 186 GGGGTCTTGGAG 197

## RESULT 129

US-09-925-065A-471303  
; Sequence 471303, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 471303  
; LENGTH: 532  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-471303

Query Match 66.7%; Score 12; DB 6; Length 532;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
|||||:|||||  
Db 366 GGGGTCTTGGAG 377

## RESULT 130

US-09-925-065A-471304  
; Sequence 471304, Application US/09925065A  
; Publication No. US20040181048A1

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108927.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq For Windows Version 4.0
; SEQ ID NO 471304
; LENGTH: 532
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-471304
```

```
Query Match 66.7%; Score 12; DB 6; Length 532;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 366 GGGGTCTGGAG 377
```

## RESULT 131

```
US-11-136-527-819/c
; Sequence 819, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 819
; LENGTH: 532
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-819
```

```
Query Match 66.7%; Score 12; DB 12; Length 532;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 120 GGGGTCTGGAG 109
```

## RESULT 132

```
US-11-136-527-4915
; Sequence 4915, Application US/11136527
; Publication No. US20050287570A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
; APPLICANT: Mounts, William M
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes
; FILE REFERENCE: 031896-041000 (AM101086)
```

```
; CURRENT APPLICATION NUMBER: US/11/136,527
; CURRENT FILING DATE: 2005-05-25
; PRIOR APPLICATION NUMBER: US 60/574,294
; PRIOR FILING DATE: 2005-05-26
; NUMBER OF SEQ ID NOS: 362830
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 4915
; LENGTH: 532
; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-11-136-527-4915
```

```
Query Match 66.7%; Score 12; DB 12; Length 532;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 413 GGGGTCTGGAG 424
```

## RESULT 133

```
US-11-128-061-249
; Sequence 249, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 249
; LENGTH: 536
; TYPE: DNA
; ORGANISM: Cricetus griseus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (226)..(240)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-249
```

```
Query Match 66.7%; Score 12; DB 12; Length 536;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 7 CUGGAGNNNNN 18
    |:|||||
Db 220 CTGGAGNNNNN 231
```

## RESULT 134

```
US-11-128-061-3891
; Sequence 3891, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
```

; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS  
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION  
; FILE REFERENCE: 01997.027701  
; CURRENT APPLICATION NUMBER: US/11/128,061  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 3891  
; LENGTH: 536  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (226)..(240)  
; OTHER INFORMATION: n is a, c, g, or t  
US-11-128-061-3891

Query Match 66.7%; Score 12; DB 12; Length 536;  
Best Local Similarity 91.7%; Pred. No. 3.4e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18  
|:|||||  
Db 220 CTGGAGNNNNN 231

## RESULT 135

US-11-128-049-249  
; Sequence 249, Application US/11128049  
; Publication No. US20060010513A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR  
; TITLE OF INVENTION: MAKING AND USING SAME  
; FILE REFERENCE: 01997.027700  
; CURRENT APPLICATION NUMBER: US/11/128,049  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 249  
; LENGTH: 536  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (226)..(240)  
; OTHER INFORMATION: n is a, c, g, or t  
US-11-128-049-249

Query Match 66.7%; Score 12; DB 12; Length 536;  
Best Local Similarity 91.7%; Pred. No. 3.4e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18  
|:|||||  
Db 220 CTGGAGNNNNN 231

## RESULT 136

US-11-128-049-3891

; Sequence 3891, Application US/11128049  
; Publication No. US20060010513A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FO  
; TITLE OF INVENTION: MAKING AND USING SAME  
; FILE REFERENCE: 01997.027700  
; CURRENT APPLICATION NUMBER: US/11/128,049  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 3891  
; LENGTH: 536  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (226)..(240)  
; OTHER INFORMATION: n is a, c, g, or t  
US-11-128-049-3891

Query Match 66.7%; Score 12; DB 12; Length 536;  
Best Local Similarity 91.7%; Pred. No. 3.4e+02;  
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 7 CUGGAGNNNNN 18  
|:|||||  
Db 220 CTGGAGNNNNN 231

## RESULT 137

US-09-925-065A-365293/c  
; Sequence 365293, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925.065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 365293  
; LENGTH: 538  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-365293

Query Match 66.7%; Score 12; DB 6; Length 538;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12

```
Db      176 GGGGTCTCTGGAG 165
||||:|:||||
Query Match      66.7%; Score 12; DB 6; Length 539;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
||||:|:||||
Db      478 GGGGTCTCTGGAG 489

RESULT 138
US-09-925-065A-52375
; Sequence 52375, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52375
; LENGTH: 539
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-52375

Query Match      66.7%; Score 12; DB 6; Length 539;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
||||:|:||||
Db      478 GGGGTCTCTGGAG 489

RESULT 139
US-09-925-065A-404705
; Sequence 404705, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 404705
; LENGTH: 542
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-404705

Query Match      66.7%; Score 12; DB 6; Length 542;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;

Db      176 GGGGTCTCTGGAG 165
||||:|:||||
Query Match      66.7%; Score 12; DB 6; Length 544;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
||||:|:||||
Db      447 GGGGTCTCTGGAG 458

RESULT 140
US-09-925-065A-101260
; Sequence 101260, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101260
; LENGTH: 544
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-101260

Query Match      66.7%; Score 12; DB 6; Length 544;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
||||:|:||||
Db      15 GGGGTCTCTGGAG 26

RESULT 141
US-09-925-065A-147671/c
; Sequence 147671, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 147671
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-147671
```



```
Query Match      66.7%; Score 12; DB 6; Length 545;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:||||
Db      172 GGGGTCTGGAG 161

RESULT 142
US-09-925-065A-147673/c
; Sequence 147673, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 147673
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-147673

Query Match      66.7%; Score 12; DB 6; Length 545;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:||||
Db      172 GGGGTCTGGAG 161

RESULT 143
US-09-925-065A-422939/c
; Sequence 422939, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 422939
; LENGTH: 545
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-422939/c

Query Match      66.7%; Score 12; DB 6; Length 545;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:||||
Db      353 GGGGTCTGGAG 342

RESULT 144
US-09-925-065A-635182/c
; Sequence 635182, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 635182
; LENGTH: 550
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-635182

Query Match      66.7%; Score 12; DB 6; Length 550;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      |||||:||||
Db      353 GGGGTCTGGAG 342

RESULT 145
US-09-925-065A-844140/c
; Sequence 844140, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 844140
; LENGTH: 550
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-844140/c
```

```
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 844140
; LENGTH: 554
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-844140

Query Match          66.7%; Score 12; DB 6; Length 554;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 545 GGGGTCTGGAG 534

RESULT 146
US-09-925-065A-147672/c
; Sequence 147672, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 147672
; LENGTH: 556
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-147672

Query Match          66.7%; Score 12; DB 6; Length 556;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 185 GGGGTCTGGAG 174

RESULT 147
US-09-925-065A-264999
; Sequence 264999, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
```

```
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 264999
; LENGTH: 557
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-264999

Query Match          66.7%; Score 12; DB 6; Length 557;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 97 GGGGTCTGGAG 108

RESULT 148
US-09-925-065A-438153/c
; Sequence 438153, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 438153
; LENGTH: 560
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-438153

Query Match          66.7%; Score 12; DB 6; Length 560;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12
Db 353 GGGGTCTGGAG 342

RESULT 149
US-09-925-065A-438993
; Sequence 438993, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2000-11-20
```

```
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 438993
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-438993

Query Match      66.7%; Score 12; DB 6; Length 568;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 182 GGGGTCTCTGGAG 193

RESULT 150
US-09-925-065A-917962/c
; Sequence 917962, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 917962
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-917962

Query Match      66.7%; Score 12; DB 6; Length 569;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 191 GGGGTCTCTGGAG 180

RESULT 151
US-09-925-065A-944896/c
; Sequence 944896, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 944897
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-944897

Query Match      66.7%; Score 12; DB 6; Length 569;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 191 GGGGTCTCTGGAG 180

RESULT 153
US-11-128-061-1605
; Sequence 1605, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
```

```
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; TITLE OF INVENTION: TO MONITOR GENE EXPRESSION
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1605
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (29)..(47)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (84)..(129)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (162)..(288)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (301)..(381)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (383)..(441)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (449)..(486)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (500)..(524)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-1605

Query Match 66.7%; Score 12; DB 12; Length 569;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
Db 443 CTGGAGNNNNN 454
|:|||||

RESULT 154
US-11-128-061-5247
; Sequence 5247, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
```

```
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5247
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (29)..(47)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (84)..(129)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (162)..(288)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (301)..(381)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (383)..(441)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (449)..(486)
; OTHER INFORMATION: n is a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (500)..(524)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-5247

Query Match 66.7%; Score 12; DB 12; Length 569;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18
Db 443 CTGGAGNNNNN 454
|:|||||

RESULT 155
US-11-128-049-1605
; Sequence 1605, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1605
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Cricetulus griseus
```

```
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (29)..(47)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (84)..(129)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (162)..(288)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (301)..(381)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (383)..(441)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (449)..(486)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (500)..(524)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-049-1605
```

Query Match 66.7%; Score 12; DB 12; Length 569;

Best Local Similarity 91.7%; Pred. No. 3.4e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
Qy 7 CUGGAGNNNNNN 18
    |:|||||
Db 443 CTGGAGNNNNNN 454
```

## RESULT 156

```
US-11-128-049-5247
; Sequence 5247, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5247
; LENGTH: 569
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (29)..(47)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (84)..(129)
; OTHER INFORMATION: n is a, c, g, or t
```

```
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (162)..(288)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (301)..(381)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (383)..(441)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (449)..(486)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (500)..(524)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-049-5247
```

Query Match 66.7%; Score 12; DB 12; Length 569;

Best Local Similarity 91.7%; Pred. No. 3.4e+02; Mismatches 0; Indels 0; Gaps 0;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

```
Qy 7 CUGGAGNNNNNN 18
    |:|||||
Db 443 CTGGAGNNNNNN 454
```

## RESULT 157

```
US-09-925-065A-2581/c
; Sequence 2581, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2581
; LENGTH: 574
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-2581
```

Query Match 66.7%; Score 12; DB 6; Length 574;

Best Local Similarity 83.3%; Pred. No. 3.4e+02; Mismatches 2; Indels 0; Gaps 0;

Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```
Qy 1 GGGGUCCUGGAG 12
    |||||:||||
Db 296 GGGGTCCTGGAG 285
```

## RESULT 158

```
US-09-925-065A-439997
; Sequence 439997, Application US/09925065A
; Publication No. US20040181048A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 439997
; LENGTH: 574
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-439997
```

```
Query Match 66.7%; Score 12; DB 6; Length 574;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 508 GGGGTCTGGAG 519
||||:|||||
```

## RESULT 159

```
US-09-925-065A-499275/c
; Sequence 499275, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 499275
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-499275
```

```
Query Match 66.7%; Score 12; DB 6; Length 576;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 284 GGGGTCTGGAG 273
||||:|||||
```

## RESULT 160

```
US-09-925-065A-355898/c
; Sequence 355898, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 355898
; LENGTH: 577
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-355898
```

```
Query Match 66.7%; Score 12; DB 6; Length 577;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 427 GGGGTCTGGAG 416
||||:|||||
```

## RESULT 161

```
US-09-925-065A-519468
; Sequence 519468, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US 09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 519468
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-519468
```

```
Query Match 66.7%; Score 12; DB 6; Length 578;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 457 GGGGTCTGGAG 468
||||:|||||
```

```
RESULT 162
US-09-925-065A-713025/c
; Sequence 713025, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108927.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 713025
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-713025

Query Match          66.7%; Score 12; DB 6; Length 578;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
DB      467 GGGGTCTGGAG 456
      |||||:|||||
      |||||:|||||

RESULT 163
US-11-128-061-1989/c
; Sequence 1989, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1989
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-1989

Query Match          66.7%; Score 12; DB 12; Length 578;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNNN 18
DB      435 CTGGAGNNNNNN 424
      |:|||||
      |:|||||

RESULT 164
US-11-128-061-5631/c
; Sequence 5631, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5631
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-5631

Query Match          66.7%; Score 12; DB 12; Length 578;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNNN 18
DB      435 CTGGAGNNNNNN 424
      |:|||||
      |:|||||

RESULT 165
US-11-128-049-1989/c
; Sequence 1989, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; MAKING AND USING SAME
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1989
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-1989

Query Match          66.7%; Score 12; DB 12; Length 578;
```

```
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNNN 18
DB      435 CTGGAGNNNNNN 424
      |:|||||
      |:|||||

RESULT 164
US-11-128-061-5631/c
; Sequence 5631, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5631
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-5631

Query Match          66.7%; Score 12; DB 12; Length 578;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      7 CUGGAGNNNNNN 18
DB      435 CTGGAGNNNNNN 424
      |:|||||
      |:|||||

RESULT 165
US-11-128-049-1989/c
; Sequence 1989, Application US/11128049
; Publication No. US20060010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; MAKING AND USING SAME
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1989
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-1989

Query Match          66.7%; Score 12; DB 12; Length 578;
```

```
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-049-1989

Query Match          66.7%; Score 12; DB 12; Length 578;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7  CUGGAGNNNNNN 18
Db      435 CTGGAGNNNNNN 424
      |:|||||

RESULT 166
US-11-128-049-5631/c
; Sequence 5631, Application US/11128049
; Publication No. US2006010513A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR
; FILE REFERENCE: 01997.027700
; CURRENT APPLICATION NUMBER: US/11/128,049
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 5631
; LENGTH: 578
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(429)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-049-5631

Query Match          66.7%; Score 12; DB 12; Length 578;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      7  CUGGAGNNNNNN 18
Db      435 CTGGAGNNNNNN 424
      |:|||||

RESULT 167
US-09-925-065A-757107
; Sequence 757107, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
```

```
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 757107
; LENGTH: 579
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-925-065A-757107

Query Match          66.7%; Score 12; DB 6; Length 579;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1  GGGGUCCUGGAG 12
Db      137 GGGGTCTGGAG 148
      |||||:||||

RESULT 168
US-11-128-061-1908
; Sequence 1908, Application US/11128061
; Publication No. US20060003958A1
; GENERAL INFORMATION:
; APPLICANT: Melville, Mark W.
; APPLICANT: Charlebois, Timothy S.
; APPLICANT: Mounts, William M.
; APPLICANT: Hann, Louane E.
; APPLICANT: Sinacore, Martin S.
; APPLICANT: Leonard, Mark W.
; APPLICANT: Brown, Eugene L.
; APPLICANT: Miller, Christopher P.
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS
; FILE REFERENCE: 01997.027701
; CURRENT APPLICATION NUMBER: US/11/128,061
; CURRENT FILING DATE: 2005-05-11
; PRIOR APPLICATION NUMBER: US 60/570,425
; PRIOR FILING DATE: 2004-05-11
; NUMBER OF SEQ ID NOS: 7285
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1908
; LENGTH: 582
; TYPE: DNA
; ORGANISM: Cricetulus griseus
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (231)..(253)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (301)..(368)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (370)..(383)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (392)..(415)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (500)..(519)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-061-1908

Query Match          66.7%; Score 12; DB 12; Length 582;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
```



Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 295 CTGGAGNNNNN 306

## RESULT 169

US-11-128-061-5550  
; Sequence 5550, Application US/11128061  
; Publication No. US20060003958A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES RELATED TO OLIGONUCLEOTIDE ARRAYS  
; FILE REFERENCE: 01997.027701  
; CURRENT APPLICATION NUMBER: US/11/128,061  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 5550  
; LENGTH: 582  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
; NAME/KEY: misc feature  
; LOCATION: (231)..(253)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (301)..(368)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (370)..(383)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (392)..(415)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (500)..(519)  
; OTHER INFORMATION: n is a, c, g, or t  
US-11-128-061-5550

Query Match 66.7%; Score 12; DB 12; Length 582;

Best Local Similarity 91.7%; Pred. No. 3.4e+02;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 295 CTGGAGNNNNN 306

## RESULT 170

US-11-128-049-1908  
; Sequence 1908, Application US/11128049  
; Publication No. US20060010513A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.

; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR  
; TITLE OF INVENTION: MAKING AND USING SAME  
; FILE REFERENCE: 01997.027700  
; CURRENT APPLICATION NUMBER: US/11/128,049  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 1908  
; LENGTH: 582  
; TYPE: DNA  
; ORGANISM: Cricetulus griseus  
; NAME/KEY: misc feature  
; LOCATION: (231)..(253)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (301)..(368)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (370)..(383)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (392)..(415)  
; OTHER INFORMATION: n is a, c, g, or t  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (500)..(519)  
; OTHER INFORMATION: n is a, c, g, or t  
US-11-128-049-1908

Query Match 66.7%; Score 12; DB 12; Length 582;

Best Local Similarity 91.7%; Pred. No. 3.4e+02;

Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 7 CUGGAGNNNNN 18  
|:|||||  
Db 295 CTGGAGNNNNN 306

## RESULT 171

US-11-128-049-5550  
; Sequence 5550, Application US/11128049  
; Publication No. US20060010513A1  
; GENERAL INFORMATION:  
; APPLICANT: Melville, Mark W.  
; APPLICANT: Charlebois, Timothy S.  
; APPLICANT: Mounts, William M.  
; APPLICANT: Hann, Louane E.  
; APPLICANT: Sinacore, Martin S.  
; APPLICANT: Leonard, Mark W.  
; APPLICANT: Brown, Eugene L.  
; APPLICANT: Miller, Christopher P.  
; TITLE OF INVENTION: OLIGONUCLEOTIDE ARRAYS TO MONITOR GENE EXPRESSION AND METHODS FOR  
; TITLE OF INVENTION: MAKING AND USING SAME  
; FILE REFERENCE: 01997.027700  
; CURRENT APPLICATION NUMBER: US/11/128,049  
; CURRENT FILING DATE: 2005-05-11  
; PRIOR APPLICATION NUMBER: US 60/570,425  
; PRIOR FILING DATE: 2004-05-11  
; NUMBER OF SEQ ID NOS: 7285  
; SOFTWARE: PatentIn version 3.3  
; SEQ ID NO 5550  
; LENGTH: 582  
; TYPE: DNA

```
; ORGANISM: Cricetus griseus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (231)..(253)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (301)..(368)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (370)..(383)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (392)..(415)
; OTHER INFORMATION: n is a, c, g, or t
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (500)..(519)
; OTHER INFORMATION: n is a, c, g, or t
US-11-128-049-5550
```

```
Query Match 66.7%; Score 12; DB 12; Length 582;
Best Local Similarity 91.7%; Pred. No. 3.4e+02;
Matches 11; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 7 CUGGAGNNNNN 18
Db 295 CTGGAGNNNNN 306
```

## RESULT 172

```
US-09-925-065A-493309/c
; Sequence 493309, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 493309
; LENGTH: 583
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-493309
```

```
Query Match 66.7%; Score 12; DB 6; Length 583;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 79 GGGGTCTGGAG 68
```

## RESULT 173

```
US-09-925-065A-356511
; Sequence 356511, Application US/09925065A
```

```
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 356511
; LENGTH: 593
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-356511
```

```
Query Match 66.7%; Score 12; DB 6; Length 593;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
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```
Qy 1 GGGGUCCUGGAG 12
Db 215 GGGGTCTGGAG 226
```

## RESULT 174

```
US-09-925-065A-356512
; Sequence 356512, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; TITLE OF INVENTION: Nucleotide Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 356512
; LENGTH: 593
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-356512
```

```
Query Match 66.7%; Score 12; DB 6; Length 593;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 215 GGGGTCTGGAG 226
```

RESULT 175  
US-09-925-065A-919127  
; Sequence 919127, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR FILING DATE: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 919127  
; LENGTH: 594  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-919127

Query Match 66.7%; Score 12; DB 6; Length 594;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
DB 39 GGGGTCTGGAG 50

RESULT 176  
US-09-925-065A-919128  
; Sequence 919128, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 919128  
; LENGTH: 594  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-919128

Query Match 66.7%; Score 12; DB 6; Length 594;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|

Db 39 GGGGTCTGGAG 50  
RESULT 177  
US-09-925-065A-745962/c  
; Sequence 745962, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 745962  
; LENGTH: 597  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-745962

Query Match 66.7%; Score 12; DB 6; Length 597;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 GGGGUCCUGGAG 12  
|||||:|:|:|  
DB 551 GGGGTCTGGAG 540

RESULT 178  
US-09-925-065A-820019/c  
; Sequence 820019, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; Nucleotide Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; CURRENT FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 820019  
; LENGTH: 597  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-820019

Query Match 66.7%; Score 12; DB 6; Length 597;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

```
Qy      1 GGGGUCCUGGAG 12
      ||||:|:|
Db      551 GGGGTCTGGAG 540

RESULT 179
US-09-925-065A-667465
; Sequence 667465, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 667465
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-667465

Query Match      66.7%; Score 12; DB 6; Length 598;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
      ||||:|:|
Db      383 GGGGTCTGGAG 394

RESULT 180
US-09-925-065A-415407/c
; Sequence 415407, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 415407
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-415407

Query Match      66.7%; Score 12; DB 6; Length 598;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
      ||||:|:|
Db      383 GGGGTCTGGAG 394

RESULT 181
US-09-925-065A-238645/c
; Sequence 238645, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 238645
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-238645

Query Match      66.7%; Score 12; DB 6; Length 600;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GGGGUCCUGGAG 12
      ||||:|:|
Db      569 GGGGTCTGGAG 558

RESULT 182
US-09-925-065A-427144
; Sequence 427144, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; PRIOR FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 427144
; LENGTH: 600
; TYPE: DNA
US-09-925-065A-427144
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```
; ORGANISM: Homo sapiens
US-09-925-065A-427144

Query Match      66.7%; Score 12; DB 6; Length 600;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:||||
Db      397 GGGGTCTCTGGAG 408

RESULT 183
US-09-925-065A-427145
; Sequence 427145, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 10827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 427145
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-427145

Query Match      66.7%; Score 12; DB 6; Length 600;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:||||
Db      397 GGGGTCTCTGGAG 408

RESULT 184
US-09-925-065A-427146
; Sequence 427146, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 10827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 427146
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-427147

Query Match      66.7%; Score 12; DB 6; Length 600;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:||||
Db      397 GGGGTCTCTGGAG 408

RESULT 185
US-09-925-065A-427147
; Sequence 427147, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 10827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 427147
; LENGTH: 600
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-427147

Query Match      66.7%; Score 12; DB 6; Length 600;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      1 GGGGUCCUGGAG 12
      ||||:||||
Db      397 GGGGTCTCTGGAG 408

RESULT 186
US-10-750-185-3147
; Sequence 3147, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
```



```
; ORGANISM: Homo sapiens
US-09-925-065A-76735

Query Match      66.7%; Score 12; DB 6; Length 603;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:|:|:|
Db 240 GGGGTCCTGGAG 229

RESULT 191
US-09-925-065A-76736/c
; Sequence 76736, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76736
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-76736

Query Match      66.7%; Score 12; DB 6; Length 603;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:|:|:|
Db 240 GGGGTCCTGGAG 229

RESULT 192
US-09-925-065A-76737/c
; Sequence 76737, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76737
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-76737
```

```
; SEQ ID NO 76737
; LENGTH: 603
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-76737

Query Match      66.7%; Score 12; DB 6; Length 603;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:|:|:|
Db 240 GGGGTCCTGGAG 229

RESULT 193
US-09-925-065A-280937/c
; Sequence 280937, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/289,846
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 280937
; LENGTH: 605
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-280937

Query Match      66.7%; Score 12; DB 6; Length 605;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12
   |||||:|:|:|
Db 262 GGGGTCCTGGAG 251

RESULT 194
US-09-925-065A-639391/c
; Sequence 639391, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 60/289,846
```

; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 639391  
; LENGTH: 607  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-639391

Query Match 66.7%; Score 12; DB 6; Length 607;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 577 GGGGTCTCGGAG 566

RESULT 195  
US-09-925-065A-639392/c  
; Sequence 639392, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 639392  
; LENGTH: 607  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-639392

Query Match 66.7%; Score 12; DB 6; Length 607;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 577 GGGGTCTCGGAG 566

RESULT 196  
US-09-925-065A-629173/c  
; Sequence 629173, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30

; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 629173  
; LENGTH: 611  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-629173

Query Match 66.7%; Score 12; DB 6; Length 611;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 510 GGGGTCTCGGAG 499

RESULT 197  
US-09-925-065A-796059  
; Sequence 796059, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/250,092  
; PRIOR FILING DATE: 2000-11-30  
; PRIOR APPLICATION NUMBER: US 60/261,766  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/289,846  
; PRIOR FILING DATE: 2001-05-09  
; NUMBER OF SEQ ID NOS: 957086  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 796059  
; LENGTH: 616  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-925-065A-796059

Query Match 66.7%; Score 12; DB 6; Length 616;  
Best Local Similarity 83.3%; Pred. No. 3.4e+02;  
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGGGUCCUGGAG 12  
||||:|||||  
Db 369 GGGGTCTCGGAG 380

RESULT 198  
US-09-925-065A-851283  
; Sequence 851283, Application US/09925065A  
; Publication No. US20040181048A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single  
; FILE REFERENCE: 108827.135  
; CURRENT APPLICATION NUMBER: US/09/925,065A  
; PRIOR FILING DATE: 2001-08-08  
; PRIOR APPLICATION NUMBER: US 60/243,096  
; PRIOR FILING DATE: 2000-10-24  
; PRIOR APPLICATION NUMBER: US 60/252,147  
; PRIOR FILING DATE: 2000-11-20  
; PRIOR APPLICATION NUMBER: US 60/252,147



```
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 851283
; LENGTH: 616
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-851283
```

```
Query Match 66.7%; Score 12; DB 6; Length 616;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 369 GGGGTCCTGGAG 380
||||:|||||
```

## RESULT 199

```
US-09-925-065A-851284
; Sequence 851284, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 851284
; LENGTH: 616
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-851284
```

```
Query Match 66.7%; Score 12; DB 6; Length 616;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 369 GGGGTCCTGGAG 380
||||:|||||
```

## RESULT 200

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US-09-925-065A-403047
; Sequence 403047, Application US/09925065A
; Publication No. US20040181048A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single
; FILE REFERENCE: 108827.135
; CURRENT APPLICATION NUMBER: US/09/925,065A
; CURRENT FILING DATE: 2001-08-08
```

```
; PRIOR APPLICATION NUMBER: US 60/243,096
; PRIOR FILING DATE: 2000-10-24
; PRIOR APPLICATION NUMBER: US 60/252,147
; PRIOR FILING DATE: 2000-11-20
; PRIOR APPLICATION NUMBER: US 60/250,092
; PRIOR FILING DATE: 2000-11-30
; PRIOR APPLICATION NUMBER: US 60/261,766
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/289,846
; PRIOR FILING DATE: 2001-05-09
; NUMBER OF SEQ ID NOS: 957086
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 403047
; LENGTH: 622
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-925-065A-403047
```

```
Query Match 66.7%; Score 12; DB 6; Length 622;
Best Local Similarity 83.3%; Pred. No. 3.4e+02;
Matches 10; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 GGGGUCCUGGAG 12
Db 54 GGGGTCCTGGAG 65
||||:|||||
```

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Search completed: February 27, 2006, 08:35:58
Job time : 582.474 secs
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